


Product datasheet

Anti-TRK fused gene antibody [EPR8765(2)(B)] ab150428

KO VALIDATED Recombinant RabMAB[®]

11 Images

Overview

Product name	Anti-TRK fused gene antibody [EPR8765(2)(B)]
Description	Rabbit monoclonal [EPR8765(2)(B)] to TRK fused gene
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF Unsuitable for: IP
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide within Human TRK fused gene aa 150-250. The exact sequence is proprietary.
Positive control	WB: Human fetal brain tissue lysate, wild-type HAP1, 293T and HeLa cell lysates. IHC-P: Human colon tissue. ICC/IF: HeLa cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAB [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAB[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number EPR8765(2)(B)

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab150428 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 43 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/250 - 1/500.

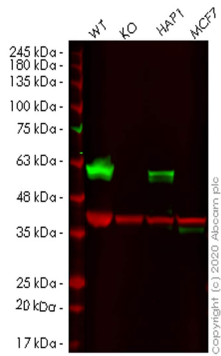
Application notes Is unsuitable for IP.

Target

Tissue specificity Ubiquitous.

Involvement in disease Defects in TFG are a cause of thyroid papillary carcinoma (TPC) [MIM:188550]. TPC is a common tumor of the thyroid that typically arises as an irregular, solid or cystic mass from otherwise normal thyroid tissue. Papillary carcinomas are malignant neoplasm characterized by the formation of numerous, irregular, finger-like projections of fibrous stroma that is covered with a surface layer of neoplastic epithelial cells. Note=A chromosomal aberration involving TFG is found in thyroid papillary carcinomas. Translocation t(1;3)(q21;q11) with NTRK1. The TFG sequence is fused to the 3'-end of NTRK1 generating the TRKT3 (TRK-T3) fusion transcript.

Images



Western blot - Anti-TRK fused gene antibody [EPR8765(2)(B)] (ab150428)

All lanes : Anti-TRK fused gene antibody [EPR8765(2)(B)] (ab150428) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : TFG knockout HeLa cell lysate

Lane 3 : HAP-1 cell lysate

Lane 4 : MCF7 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

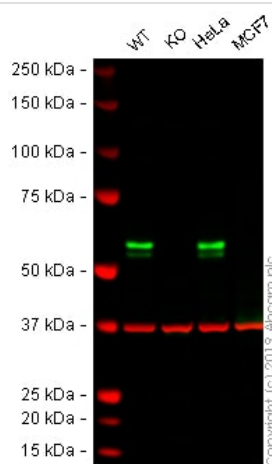
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 43 kDa

Observed band size: 57 kDa

Lanes 1-4: Merged signal (red and green). Green - ab150428 observed at 57 kDa. Red - loading control **ab8245** observed at 36 kDa.

ab150428 Anti-TRK fused gene antibody [EPR8765(2)(B)] was shown to specifically react with TFG in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265841** (knockout cell lysate **ab257738**) was used. Wild-type and TFG knockout samples were subjected to SDS-PAGE. ab150428 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-TRK fused gene antibody
[EPR8765(2)(B)] (ab150428)

All lanes : Anti-TRK fused gene antibody [EPR8765(2)(B)]
(ab150428) at 1/10000 dilution

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : TFG knockout HAP1 whole cell lysate

Lane 3 : HeLa whole cell lysate

Lane 4 : MCF7 whole cell lysate

Lysates/proteins at 20 µg per lane.

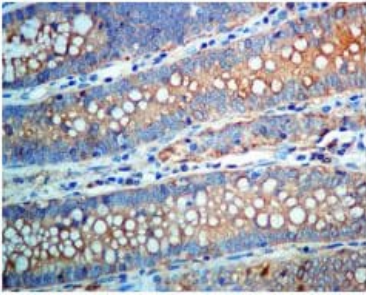
Performed under reducing conditions.

Predicted band size: 43 kDa

Observed band size: 57 kDa

Lanes 1 -4: Merged signal (red and green). Green - ab150428 observed at 57 kDa. Red - loading control, **ab8245** (Mouse anti-GAPDH antibody [6C5]) observed at 37kDa.

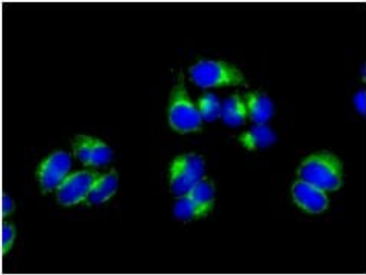
ab150428 was shown to react with TFG in HAP1 wild-type cells in Western blot. Loss of signal was observed when TFG knockout sample was used. HAP1 wild-type and TFG knockout whole cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3% Milk in TBS-T (0.1% Tween[®]) before incubation with ab150428 and **ab8245** (Mouse anti-GAPDH antibody [6C5]) overnight at 4°C at a 1 in 10000 dilution and a 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye[®] 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye[®] 800CW) preabsorbed (**ab216772**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRK fused gene antibody [EPR8765(2)(B)] (ab150428)

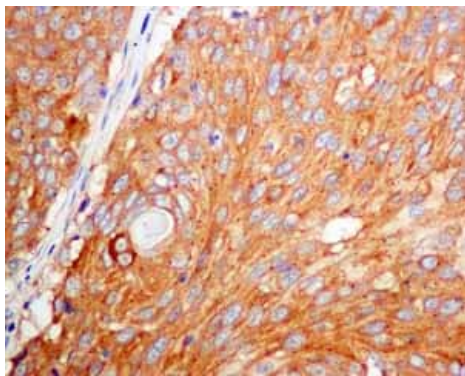
Immunohistochemical analysis of paraffin-embedded Human colon tissue labelling TRK fused gene with ab150428 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-TRK fused gene antibody [EPR8765(2)(B)] (ab150428)

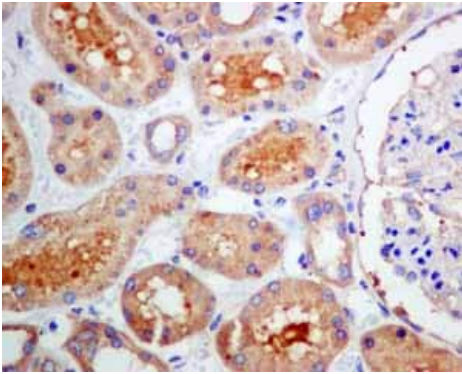
Immunofluorescent analysis of HeLa cells labelling TRK fused gene with ab150428 at 1/250 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRK fused gene antibody [EPR8765(2)(B)] (ab150428)

Immunohistochemical analysis of paraffin embedded Human Lung adenocarcinoma tissue using ab150428 showing +ve staining.

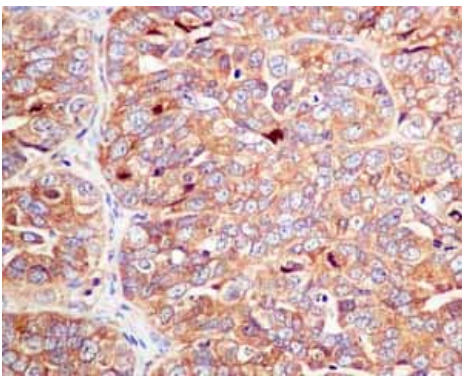
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRK fused gene antibody [EPR8765(2)(B)] (ab150428)

Immunohistochemical analysis of paraffin embedded normal Human kidney tissue using ab150428 showing +ve staining.

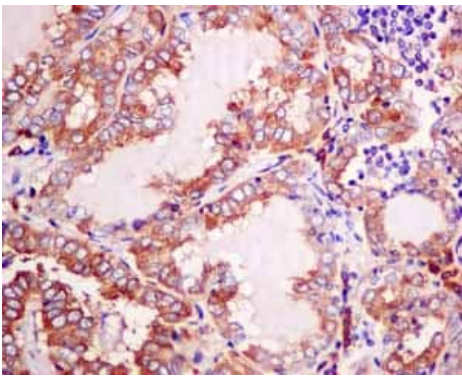
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRK fused gene antibody [EPR8765(2)(B)] (ab150428)

Immunohistochemical analysis of paraffin embedded Human Ovarian carcinoma tissue using ab150428 showing +ve staining.

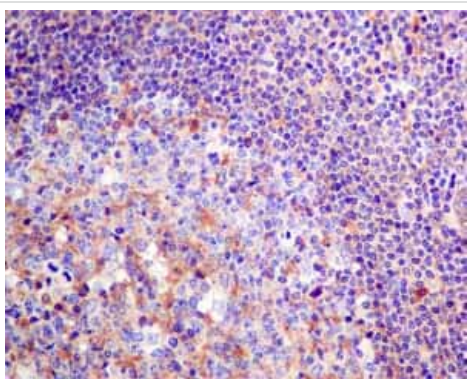
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRK fused gene antibody [EPR8765(2)(B)] (ab150428)

Immunohistochemical analysis of paraffin embedded Human Thyroid gland carcinoma tissue using ab150428 showing +ve staining.

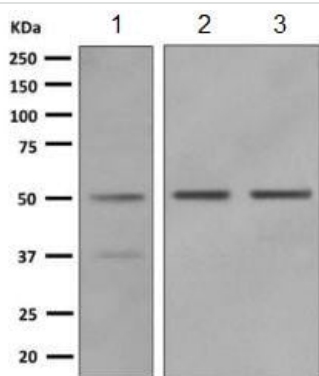
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRK fused gene antibody [EPR8765(2)(B)] (ab150428)

Immunohistochemical analysis of paraffin embedded normal Human tonsil tissue using ab150428 showing +ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-TRK fused gene antibody [EPR8765(2)(B)] (ab150428)

All lanes : Anti-TRK fused gene antibody [EPR8765(2)(B)] (ab150428) at 1/1000 dilution

Lane 1 : Human fetal brain lysate

Lane 2 : 293T cell lysate

Lane 3 : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 43 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-TRK fused gene antibody [EPR8765(2)(B)] (ab150428)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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