


Product datasheet

Anti-GRB7 antibody [EPR4378] ab109618

Recombinant **RabMAb**

[1 References](#) [4 Images](#)

Overview

Product name	Anti-GRB7 antibody [EPR4378]
Description	Rabbit monoclonal [EPR4378] to GRB7
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: SKBR-3, T-47D, MCF7, HEPG2 and HeLa cell lysates. IHC-P: Human breast tissue
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4378

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab109618 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

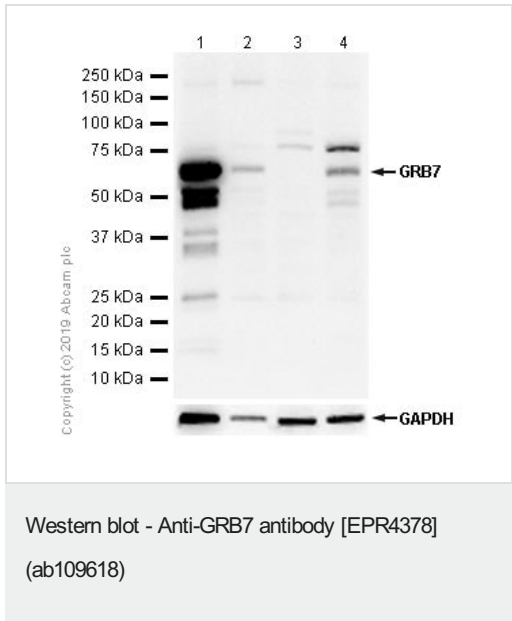
Application	Abreviews	Notes
WB		1/200 - 1/1000. Predicted molecular weight: 60 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Heat to 98°C, allow to cool for 10-20 minutes.

Application notes Is unsuitable for Flow Cyt or IP.

Target

Function	Interacts with the cytoplasmic domain of the epidermal growth factor receptor which is then inhibited. The interaction is mediated by the SH2 domain. Also binds to ERBB2.
Sequence similarities	Belongs to the GRB7/10/14 family. Contains 1 PH domain. Contains 1 Ras-associating domain. Contains 1 SH2 domain.
Post-translational modifications	Phosphorylated on tyrosine residues.

Images



All lanes : Anti-GRB7 antibody [EPR4378] (ab109618) at 1/200 dilution (Purified)

Lane 1 : SK-BR-3 (Human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 2 : T-47D (Human ductal breast epithelial tumor epithelial cell) whole cell lysates

Lane 3 : MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 4 : HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

Lysates/proteins at 20 µg per lane.

Secondary

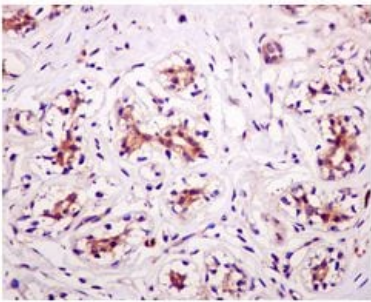
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 60 kDa

Observed band size: 60 kDa

Blocking/Diluting Buffer and concentration: 5% NFDM/TBST

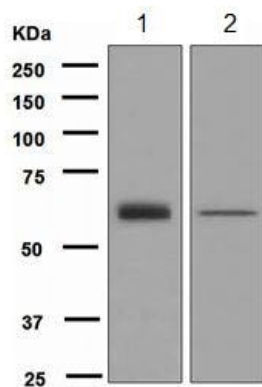
The expression level of GRB7 in SK-BR-3, T-47D and MCF7 cells is consistent with what has been described in PMID: 7907978 and 17916906.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRB7 antibody [EPR4378] (ab109618)

ab109618 at 1/50 dilution staining GRB7 in paraffin-embedded Human breast tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-GRB7 antibody [EPR4378] (ab109618)

All lanes : Anti-GRB7 antibody [EPR4378] (ab109618) at 1/1000 dilution

Lane 1 : SKBR-3 cell lysate

Lane 2 : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 60 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-GRB7 antibody [EPR4378] (ab109618)

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

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