


Product datasheet

Anti-MRGX antibody [EPR9775(2)] α b178405

Recombinant RabMAb

6 Images

Overview

Product name	Anti-MRGX antibody [EPR9775(2)]
Description	Rabbit monoclonal [EPR9775(2)] to MRGX
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IP, IHC-P Unsuitable for: Flow Cyt
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	K562, HeLa, A431 and U87-MG cell lysates; Human ovarian carcinoma and breast tissues; HeLa cells.
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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR9775(2)

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab178405 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. Detects a band of approximately 35 kDa (predicted molecular weight: 32 kDa).
ICC/IF		1/50 - 1/100.
IP		1/10 - 1/100.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt.

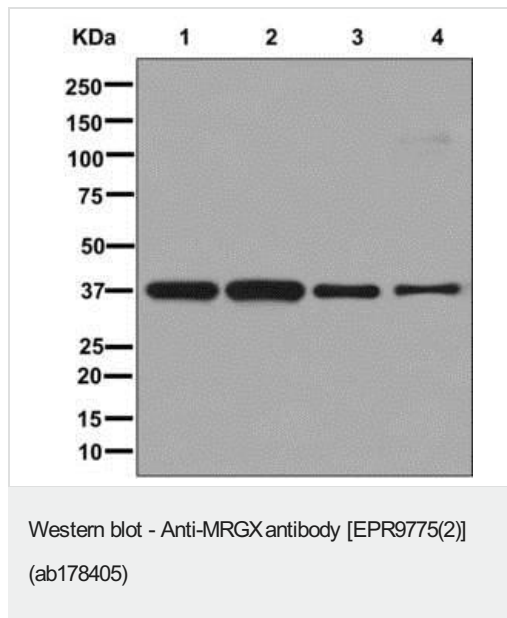
Target

Function Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histone H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Also component of the MSIN3A complex which acts to repress transcription by deacetylation of nucleosomal histones.

Sequence similarities Belongs to the MRG family.

Cellular localization Nucleus.

Images



All lanes : Anti-MRGX antibody [EPR9775(2)] (ab178405) at 1/1000 dilution

Lane 1 : K562 cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : A431 cell lysate

Lane 4 : U-87 MG cell lysate

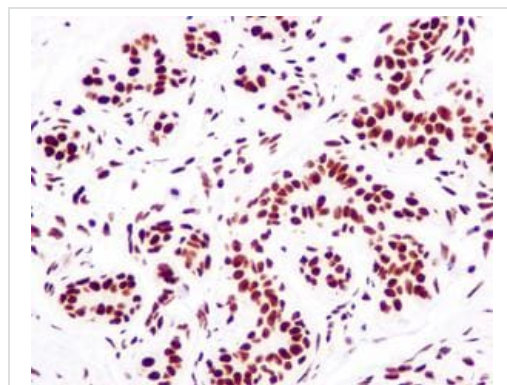
Lysates/proteins at 10 µg per lane.

Secondary

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

Developed using the ECL technique.

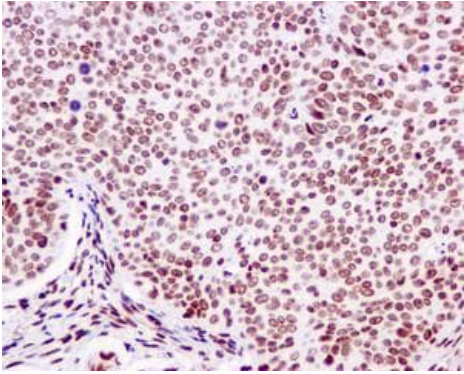
Predicted band size: 32 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MRGX antibody [EPR9775(2)] (ab178405)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human breast tissue labeling MRGX with ab178405 at 1/50 dilution.

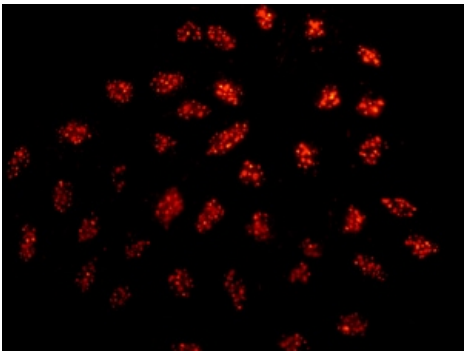
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MRGX antibody [EPR9775(2)] (ab178405)

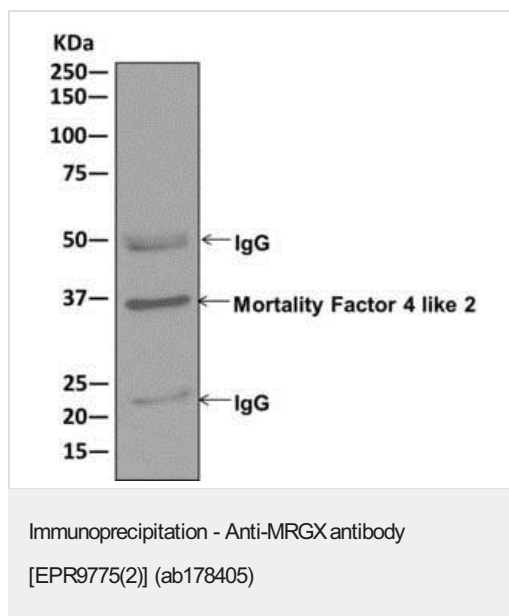
Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human ovarian carcinoma tissue labeling MRGX with ab178405 at 1/50 dilution.

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







Immunocytochemistry/ Immunofluorescence - Anti-MRGX antibody [EPR9775(2)] (ab178405)

Immunofluorescent analysis of HeLa cells labeling MRGX with ab178405 at 1/50 dilution.



Western blot analysis on immunoprecipitation pellet from HeLa cell lysate labeling MRGX immunoprecipitated using ab178405 at 1/10 dilution.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-MRGX antibody [EPR9775(2)] (ab178405)

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