

Product datasheet

Anti-CMTM6 antibody [EPR23015-45] - BSA and Azide free ab264076

Recombinant RabMAb

6 Images

Overview

Product name	Anti-CMTM6 antibody [EPR23015-45] - BSA and Azide free
Description	Rabbit monoclonal [EPR23015-45] to CMTM6 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, Flow Cyt (Intra), IHC-P Unsuitable for: ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: MDA-MB-231, Raji and BxPC-3 whole cell lysates; human tonsil tissue lysate. IHC-P: Human tonsil, thyroid cancer and pancreatic cancer tissue. Flow Cyt (intra): MDA-MB-231 cells.
General notes	ab264076 is the carrier-free version of ab264067 .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- 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 +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR23015-45
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab264076 in the following tested applications.

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

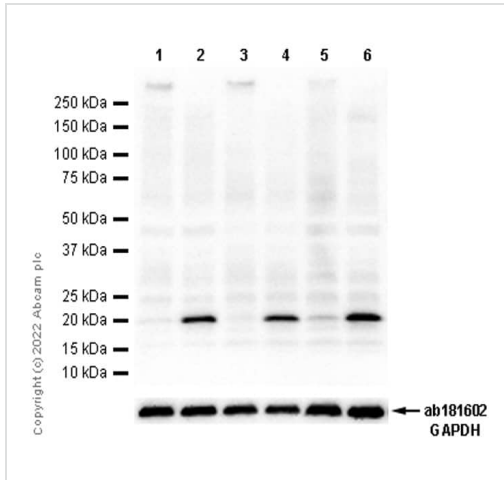
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 20 kDa.
Flow Cyt (Intra)		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Application notes Is unsuitable for ICC/IF.

Target

Tissue specificity	Expressed in the leukocytes, placenta and testis.
Sequence similarities	Belongs to the chemokine-like factor family. Contains 1 MARVEL domain.
Cellular localization	Membrane.

Images



Western blot - Anti-CMTM6 antibody [EPR23015-45]
- BSA and Azide free (ab264076)

All lanes : Anti-CMTM6 antibody [EPR23015-45] (**ab264067**) at 1/10000 dilution

Lane 1 : MDA-MB-231 (Human breast adenocarcinoma epithelial cell) whole cell lysate boiled

Lane 2 : MDA-MB-231 (Human breast adenocarcinoma epithelial cell) whole cell lysate unboiled

Lane 3 : BxPC-3 (Human pancreas adenocarcinoma epithelial cell) whole cell lysate boiled

Lane 4 : BxPC-3 (Human pancreas adenocarcinoma epithelial cell) whole cell lysate unboiled

Lane 5 : Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysate boiled

Lane 6 : Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysate unboiled

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: 20 kDa

Observed band size: 20 kDa

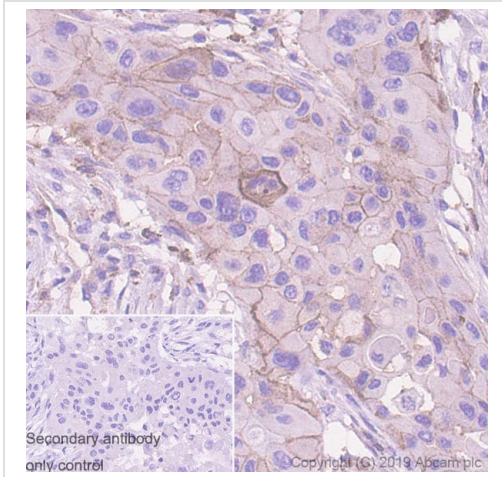
Exposure time: 7 seconds

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab264067**).

Blocking and diluting buffer and concentration: 5% NFDM /TBST.

ab181602 was used as GAPDH loading control.

We recommend not to boil the samples after lysis to get desired WB bands.



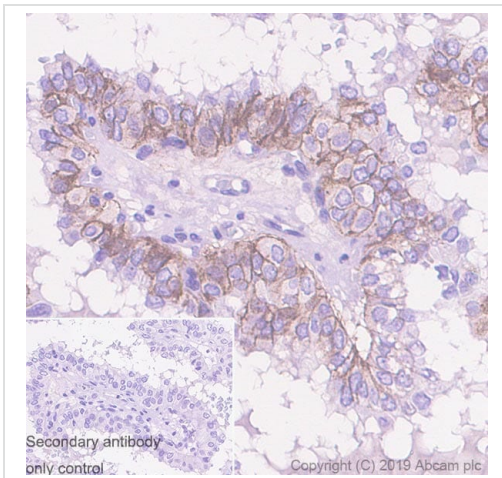
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CMTM6 antibody [EPR23015-45] - BSA and Azide free (ab264076)

Immunohistochemical analysis of paraffin-embedded Human pancreatic cancer tissue labeling CMTM6 with **ab264067** at 1/2000 dilution (0.24 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Membranous staining on human pancreatic cancer (PMID: 28813417) The section was incubated with **ab264067** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab264067**).



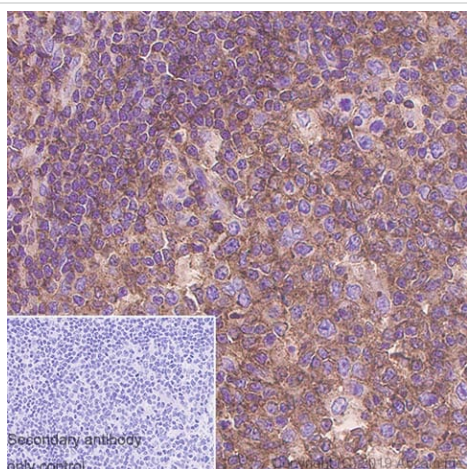
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CMTM6 antibody [EPR23015-45] - BSA and Azide free (ab264076)

Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue labeling CMTM6 with **ab264067** at 1/2000 dilution (0.24 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Membranous staining on human thyroid cancer (PMID: 28813410) The section was incubated with **ab264067** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND[™] RX instrument Counterstained with Hematoxylin.

Secondary antibody only control/ Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab264067**).



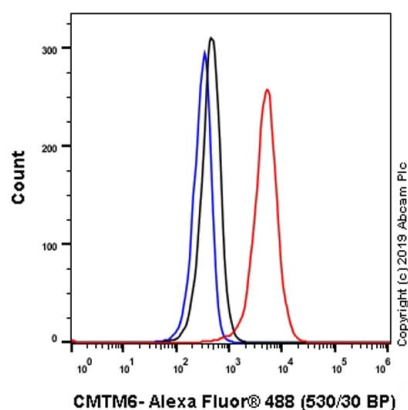
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CMTM6 antibody [EPR23015-45] - BSA and Azide free (ab264076)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling CMTM6 with **ab264067** at 1/2000 dilution (0.24 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on human tonsil. The section was incubated with **ab264067** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control/ Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab264067**).



Flow Cytometry (Intracellular) - Anti-CMTM6 antibody [EPR23015-45] - BSA and Azide free (ab264076)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed, 90% methanol permeabilized MDA-MB-231 (human breast adenocarcinoma epithelial cell) cells labelling CMTM6 with **ab264067** at 1/500 dilution (Red) compared with a Rabbit monoclonal IgG (**ab172730**) isotype control (black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor®488, **ab150077**) at 1/2000 dilution was used as the secondary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab264067**).

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-CMTM6 antibody [EPR23015-45] - BSA and Azide free (ab264076)

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

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