

Product datasheet

Anti-TMEFF2 antibody [EPR6385] - BSA and Azide free ab247998

Recombinant RabMAb

Overview

Product name	Anti-TMEFF2 antibody [EPR6385] - BSA and Azide free
Description	Rabbit monoclonal [EPR6385] to TMEFF2 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human TMEFF2 aa 100-200 (extracellular). The exact sequence is proprietary.
General notes	<p>ab247998 is the carrier-free version of ab124775 This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.</p> <p>Our carrier-free formats are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.</p> <p>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.</p> <p>Ab247998 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.</p> <p><i>Maxpar® is a trademark of Fluidigm Canada Inc.</i></p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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> <p>This product is a recombinant rabbit monoclonal antibody.</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.
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR6385
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab247998** 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. Detects a band of approximately 44 kDa (predicted molecular weight: 41 kDa).

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

Function May be a survival factor for hippocampal and mesencephalic neurons. The shedded form up-regulates cancer cell proliferation, probably by promoting ERK1/2 phosphorylation.

Tissue specificity Highly expressed in adult and fetal brain, spinal cord and prostate. Expressed in all brain regions except the pituitary gland, with highest levels in amygdala and corpus callosum. Expressed in the pericryptal myofibroblasts and other stromal cells of normal colonic mucosa. Expressed in prostate carcinoma. Down-regulated in colorectal cancer. Present in Alzheimer disease plaques (at protein level). Isoform 3 is expressed weakly in testis and at high levels in normal and cancerous prostate.

Sequence similarities Belongs to the tomoregulin family.
Contains 1 EGF-like domain.
Contains 2 Kazal-like domains.

Post-translational modifications N-glycosylated. Contains chondroitin sulfate glycosaminoglycans.
A soluble form (TMEFF2-ECD) is produced by proteolytic shedding. This shedding can be induced by phorbol ester or proinflammatory cytokines such as TNFalpha, and is mediated by ADAM17.

Cellular localization Secreted and Membrane.

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

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