

Datasheet for ABIN1049031

anti-LTB4R2 antibody (Cytoplasmic Domain)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	LTB4R2
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Application:	Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (IHC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human LTB4R2. Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset (100%), Mouse, Rat, Bat (88%), Elephant (81%). Type of Immunogen: Synthetic peptide
Specificity:	Human LTB4R2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset (100%) Mouse, Rat, Bat (88%) Elephant (81%).
Purification:	Immunoaffinity purified

Target Details

Target:	LTB4R2
Alternative Name:	LTB4R2 / BLT2 (LTB4R2 Products)
Background:	Name/Gene ID: LTB4R2 Subfamily: Chemoattractant Family: GPCR Synonyms: LTB4R2, BLT2, BLTR2, Blt-2, BLT2R, JULF2, LTB4-R2, Hblt2, KPG_004, Leukotriene B4 receptor 2, Leukotriene B4 receptor BLT2, LTB4 receptor JULF2, LTB4-R 2
Gene ID:	56413
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	Approved: Flo, IHC, IHC-Fr, IHC-P (26 µg/mL)
Comment:	Target Species of Antibody: Human
Assay Procedure:	The IHC-pro Immunohistochemistry Protocol Tissue Preparation Formalin fixation and embedding in paraffin wax Tissue Sectioning Make 4-µm sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C Deparaffinization Wash slides in 3 changes of xylene – 5 minutes each at room temperature. Rehydration Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature. Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature. Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature. Rinse slides in gentle running distilled water – 5 minutes at room temperature. Antigen retrieval Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	PBS, less than 0.1 % sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Handling

Storage: 4 °C, -20 °C

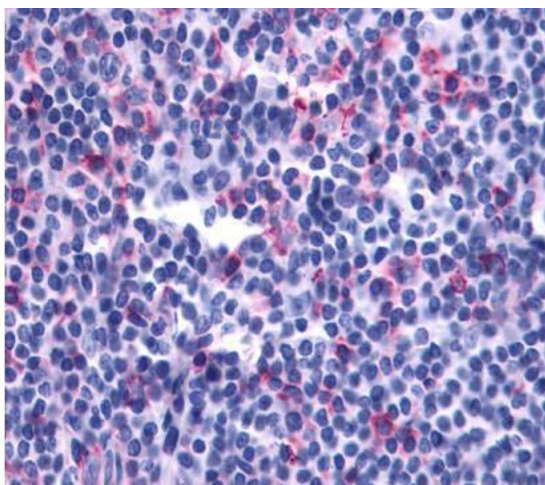
Storage Comment: Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.

Expiry Date: 12 months

Publications

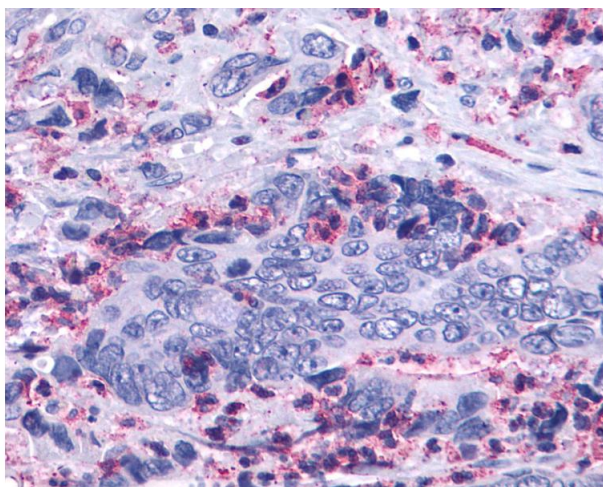
Product cited in: Zhang, Taylor, Xie, Ford, Johnson, Paulsen, Bates: "Cloning and expression of MRG receptors in macaque, mouse, and human." in: **Brain research. Molecular brain research**, Vol. 133, Issue 2, pp. 187-97, (2005) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Anti-LTB4R2 antibody ABIN1049031 IHC staining of human tonsil. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-LTB4R2 / BLT2 antibody IHC of human Colon, Carcinoma and Leukocytes. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.