Datasheet: AHP1375

Description:	RABBIT ANTI HUMAN TACR2 (C-TERMINAL)
Specificity:	TACR2 (C-TERMINAL)
Other names:	TACHYKININ RECEPTOR 2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			40ug/ml
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1)**This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.Sodium citrate buffer pH 6.0 is recommended for this purpose.**

Target Species

Human

Species Cross Reactivity

Based on sequence similarity, is expected to react with:Gorilla, Rat, Pig, Bovine, Dog, Hamster, Horse, Rabbit

N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antisera to human TACR2 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.1% Sodium Azide (NaN_3)

Approx. Protein

IgG concentration 1.0mg/ml

Concentrations	
Immunogen	Synthetic Peptide corresponding to the C-Terminal of Human TACR2, conjugated to keyhole limpet hemocyanin (KLH).
External Database Links	**UniProt:** P21452 Related reagents **Entrez Gene:** 6865 TACR2 Related reagents
Synonyms	NK2R, NKNAR, TAC2R
Specificity	**Rabbit anti human TACR2 (C terminal)** recognizes TACR2 (Tachykinin Receptor 2), a ~45 kDa cell membrane protein, the receptor for the tachykinin neuropeptide substance K, also known as neurokinin A. TACR2 belongs to a family of tachykinin receptors characterized by interactions with G proteins and 7 hydrophobic transmembrane regions. TACR2 is associated with G proteins that activate a phosphatidylinositol- calcium second messenger system, it mediates smooth muscle contraction in the central airway and it has been suggested that it may linked to the development of asthma. TACR2 expression has been reported from a range of tissues including the trachea, lung, brain and the gastrointestinal tract.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10303 available at: 10303: https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin, FITC, HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800

Recommended Useful Reagents

HISTAR DETECTION SYSTEM (STAR3000A)

HISTAR DETECTION SYSTEM (STAR3000B)
HISTAR DETECTION SYSTEM (STAR3000C)
ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)
ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)

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