Rabbit anti-Mouse TACR3 Polyclonal Antibody | anti-TACR3 antibody

RABBIT ANTI TACR3

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50017	**Rabbit**	**Mouse**	**Western Blot, Immunohistochemistry**

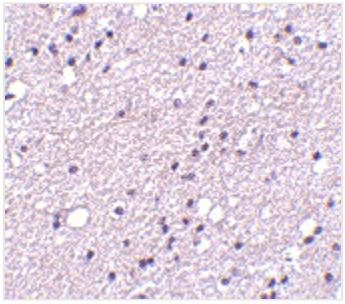
PRODUCT SYNONYMS

TACR3; Polyclonal Antibody; RABBIT ANTI TACR3; anti-TACR3 antibody

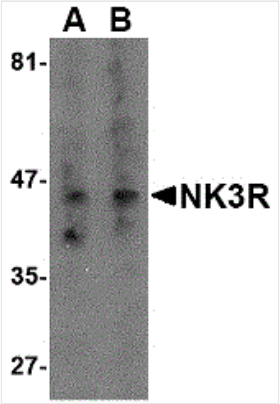
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	This item recognises human TACR3 otherwise known as NK3 Receptor (NK3R), a 52.2 kDa multi-pass membrane protein belonging to the G-protein coupled receptor 1 family. TACR3 is a receptor for the tachykinin neuropeptide, neuromedin-k otherwise known as neurokinin B and is highly expressed in the supraoptic and paraventricular nuclei. Following binding of its ligand, NK3R activates a phosphatidylinositol-calcium second messenger system, and it is likely that these signals lead to the release of vasopressin and oxytocin into the circulation. Studies with mice indicate that TACR3 is involved in learning and memory. This item does not recognise NK1R or NK2R.
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	465
Applicable Applications for anti-TACR3 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Perservative Stabilisers	0.02% Sodium Azide (NaN3)
Immunogen	An 18 amino acid peptide from near the centre of human TACR3. Histology Positive Control Tissue
Antiserum Preparation	Antiserum to human TACR3 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree 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.

IMAGES



Application Data
Formalin fixed, paraffin embedded human brain with Rabbit anti Human TACR3 (AAA50017) following heat mediated antigen retrieval using sodium citrate buffer (pH6.0



Application Data
Western blot analysis of whole cell lysate from RAW264.7 mouse macrophage cells probed with Rabbit anti Human TACR3 (AAA50017) at 0.5(A) and 2(B) ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-TACR3 antibody	MBS222943 recognises human TACR3 otherwise known as NK3 Receptor (NK3R), a 52.2 kDa multi-pass membrane protein belonging to the G-protein coupled receptor 1 family. TACR3 is a receptor for the tachykinin neuropeptide, neuromedin-k otherwise known as neurokinin B and is highly expressed in the supraoptic and paraventricular nuclei. Following binding of its ligand, NK3R activates a phosphatidylinositol-calcium second messenger system, and it is likely that these signals lead to the release of vasopressin and oxytocin into the circulation. Studies with mice indicate that TACR3 is involved in learning and memory. MBS222943 does not recognise NK1R or NK2R.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7669548
NCBI GeneID	6870
NCBI Accession #	NP_001050.1
NCBI GenBank Nucleotide #	NM_001059.2
UniProt Accession #	P29371; Q0P510
Molecular Weight	52,202 Da
NCBI Official Full Name	neuromedin-K receptor
NCBI Official Synonym Full Names	tachykinin receptor 3
NCBI Official Symbol	TACR3
NCBI Official Synonym Symbols	NKR; HH11; NK3R; NK-3R; TAC3RL
NCBI Protein Information	neuromedin-K receptor; NK-3 receptor; neurokinin B receptor; neurokinin beta receptor
UniProt Protein Name	Neuromedin-K receptor
UniProt Gene Name	**TACR3**
UniProt Synonym Gene Names	NK3R; TAC3R; NKR; NK-3R
UniProt Entry Name	NK3R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.