

Rabbit CD294 Polyclonal Antibody | anti-CD294 antibody

RABBIT ANTI HUMAN CD294 (N-TERMINAL)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50092	Rabbit	Mouse (Expected from Sequence), Rat (Expected from Sequence)	Western Blot, Immunohistochemistry, ELISA

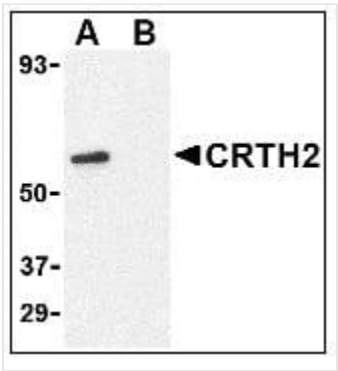
PRODUCT SYNONYMS

CD294; Polyclonal Antibody; RABBIT ANTI HUMAN CD294 (N-TERMINAL); anti-CD294 antibody

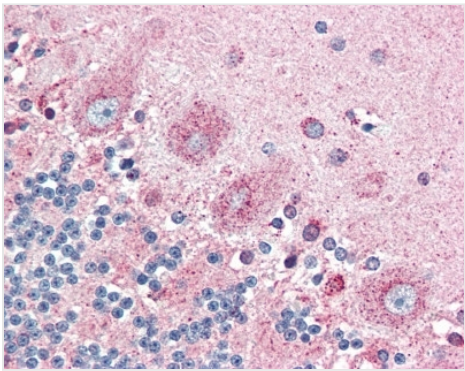
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse (Expected from Sequence), Rat (Expected from Sequence)
Clonality	Polyclonal
Isotype	IgG
Specificity	This item recognises CD294, also known as chemoattractant receptor homologous molecule expressed on Th2 cells (CRTH2) and GRP44. CD294 is a G protein-coupled receptor which has a high affinity for prostaglandin D2 (PGD2). CD294 is predominantly expressed on Th2 cells, basophils and eosinophils, and its activation by PDG2 mediates chemotaxis of these cells to inflammatory sites. CD294 may be a useful marker for Th2 cells, and enhances their function and signalling with a possible role in Th2 cell differentiation. PGD2 is thought to contribute to bronchoconstriction, eosinophilia and mucus production in allergic asthma, and CD294 may contribute to this disease.
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	382
Applicable Applications for anti-CD294 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Perservative Stabilisers	0.02% Sodium Azide (NaN3)
Immunogen	A synthetic peptide corresponding to an 18 amino acid sequence from near the amino terminus of human CD294 - KLH conjugated. Histology Positive Control Tissue
Antiserum Preparation	Antisera to human CD294 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG 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: 12 months from date of despatch.

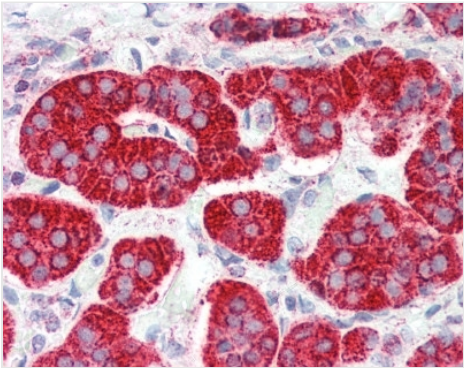
IMAGES



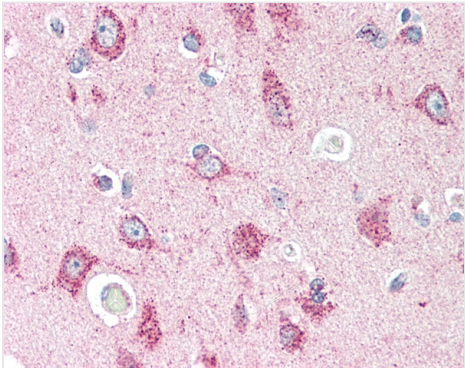
Application Data
Western blotting of Jurkat cell lysate probed with Rabbit anti Human CD294 (AAA50092)



Application Data
Staining of formalin fixed, paraffin embedded human cerebellum with Rabbit anti Human CD294 (AAA50092)



Application Data
Staining of formalin fixed, paraffin embedded human adrenal gland with Rabbit anti Human CD294 (AAA50092)



Application Data
Staining of formalin fixed, paraffin embedded human brain cortex with Rabbit anti Human CD294 (AAA50092)

ADDITIONAL INFORMATION

Related Product Information for anti-CD294 antibody	MBS224236 recognises CD294, also known as chemoattractant receptor homologous molecule expressed on Th2 cells (CRTH2) and GRP44. CD294 is a G protein-coupled receptor which has a high affinity for prostaglandin D2 (PGD2). CD294 is predominantly expressed on Th2 cells, basophils and eosinophils, and its activation by PDG2 mediates chemotaxis of these cells to inflammatory sites. CD294 may be a useful marker for Th2 cells, and enhances their function and signalling with a possible role in Th2 cell differentiation. PGD2 is thought to contribute to bronchoconstriction, eosinophilia and mucus production in allergic asthma, and CD294 may contribute to this disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6753528
NCBI GeneID	14764
NCBI Accession #	NP_034092.1
NCBI GenBank Nucleotide #	NM_009962.3
Molecular Weight	42,950 Da
NCBI Official Full Name	prostaglandin D2 receptor 2
NCBI Official Synonym Full Names	prostaglandin D2 receptor 2
NCBI Official Symbol	Ptgdr2
NCBI Official Synonym Symbols	Crth2; Gpr44; Grp45

NCBI Protein Information	prostaglandin D2 receptor 2; G protein-coupled receptor 44; G-protein coupled receptor 44; PGD2 receptor; chemoattractant receptor-homologous molecule expressed on TH2 cells; prostaglandin D2 receptor CRTH2
UniProt Protein Name	Prostaglandin D2 receptor 2
UniProt Gene Name	Ptgdr2
UniProt Synonym Gene Names	Crth2
UniProt Entry Name	PD2R2_MOUSE

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cd294-antibody-western-blot-immunohistochemistry-elisa/50092>