Rabbit PRG2 Polyclonal Antibody | anti-PRG2 antibody

PRG2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA179609	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot**

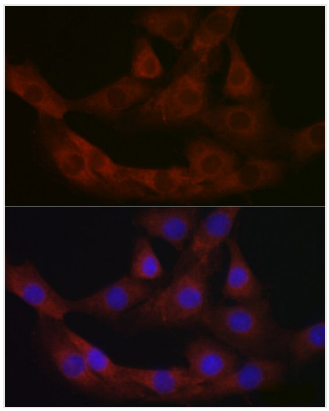
PRODUCT SYNONYMS

PRG2; Polyclonal Antibody; PRG2 Polyclonal Antibody; BMPG; MBP; MBP1; proMBP; anti-PRG2 antibody

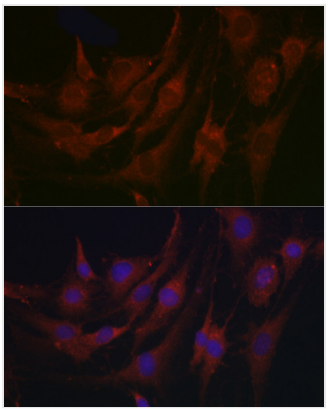
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal,50% glycerol,pH7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-PRG2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human PRG2
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

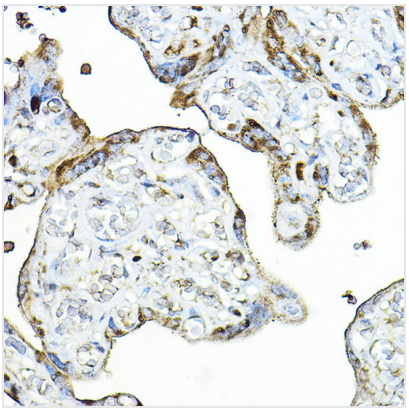
IMAGES



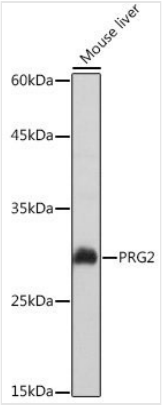
IF (Immunofluorescence)
Immunofluorescence analysis of NIH/3T3 cells using PRG2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)
Immunofluorescence analysis of C6 cells using PRG2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human placenta using PRG2 Polyclonal Antibody at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



WB (Western Blot)
Western blot analysis of extracts of Mouse liver using PRG2 Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-PRG2 antibody	The protein encoded by this gene is the predominant constituent of the crystalline core of the eosinophil granule. High levels of the proform of this protein are also present in placenta and pregnancy serum, where it exists as a complex with several other proteins including pregnancy-associated plasma protein A (PAPPA), angiotensinogen (AGT), and C3dg. This protein may be involved in antiparasitic defense mechanisms as a cytotoxin and helminthotoxin, and in immune hypersensitivity reactions. The encoded protein contains a peptide that displays potent antimicrobial activity against Gram-positive bacteria, Gram-negative bacteria, and fungi. It is directly implicated in epithelial cell damage, exfoliation, and bronchospasm in allergic diseases. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-PRG2 antibody	Antibodies; Primary Antibodies; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	281185479
NCBI GeneID	5553
UniProt Accession #	P13727; P81448; Q14227; Q6ICT2; A6XMW0; B2R5I1
Molecular Weight	25kDa
NCBI Official Full Name	Bone marrow proteoglycan
NCBI Official Synonym Full Names	proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein)
NCBI Official Symbol	PRG2
NCBI Official Synonym Symbols	MBP; BMPG; MBP1
NCBI Protein Information	bone marrow proteoglycan; bone-marrow proteoglycan; proteoglycan 2 preproprotein; natural killer cell activator; eosinophil major basic protein; eosinophil granule major basic protein
UniProt Protein Name	Bone marrow proteoglycan
UniProt Gene Name	**PRG2**
UniProt Synonym Gene Names	MBP; BMPG; EMBP; MBP
UniProt Entry Name	PRG2_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.