10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ANTXR2 Rabbit pAb

ANTXR2 Rabbit pAb
Catalog # AP54361

Product Information

Application	WB
Primary Accession	P58335
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53666
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ANTXR2
Epitope Specificity	101-200/489
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted; Cell membrane. Expressed at the cell surface and Endoplasmic reticulum membrane. Expressed predominantly within the endoplasmic reticulum and not at the plasma membrane.
DISEASE	Defects in ANTXR2 are the cause of infantile systemic hyalinosis (ISH). This autosomal recessive syndrome is similar to JHF, but has an earlier onset and a more severe course. Symptoms appear at birth or within the first months of life, with painful, swollen joint contractures, osteopenia, osteoporosis and livid red hyperpigmentation over bony prominences. Patients develop multiple subcutaneous skin tumors and gingival hypertrophy. Hyaline deposits in multiple organs, recurrent infections and intractable diarrhea often lead to death within the first 2 years of life. Surviving children may suffer from severely reduced mobility due to joint contractures.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a receptor for anthrax toxin. The protein binds to collagen IV and laminin, suggesting that it may be involved in extracellular matrix adhesion. Mutations in this gene cause juvenile hyaline fibromatosis and infantile systemic hyalinosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009].

Additional Information

Gene ID	118429
Other Names	Anthrax toxin receptor 2, Capillary morphogenesis gene 2 protein, CMG-2, ANTXR2 (HGNC:21732)
Dilution	WB=1:500-2000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

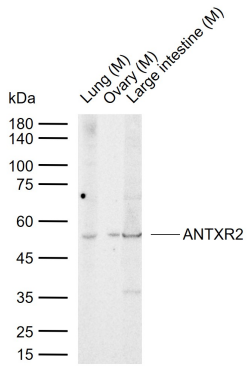
Protein Information

Name	ANTXR2 (HGNC:21732)
Function	Necessary for cellular interactions with laminin and the extracellular matrix.
Cellular Location	[Isoform 1]: Cell membrane; Single-pass type I membrane protein. Note=Expressed at the cell surface [Isoform 3]: Secreted.
Tissue Location	Expressed in prostate, thymus, ovary, testis, pancreas, colon, heart, kidney, lung, liver, peripheral blood leukocytes, placenta, skeletal muscle, small intestine and spleen

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Sample:
Lane 1: Mouse Lung tissue lysates
Lane 2: Mouse Ovary tissue lysates
Lane 3: Mouse Large intestine tissue lysates
Primary: Anti-ANTXR2 (AP54361) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 50 kDa
Observed band size: 52 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.