

Rabbit EXT1 Polyclonal Antibody | anti-EXT1 antibody

EXT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326527	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

EXT1; Polyclonal Antibody; EXT1 Antibody; 4-alpha-N-acetylglucosaminyltransferase; exostoses (multiple) 1; Exostosin 1; Exostosin glycosyltransferase 1; Exostosin-1; EXT; EXT1_HUMAN; Glucuronosyl-N-acetylglucosaminyl-proteoglycan/N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase; glucuronosyl-N-acetylglucosaminyl-proteoglycan/N-acetylglucosaminyl-proteoglycan; Langer-Giedion syndrome chromosome region; LGCR; LGS; Multiple exostoses protein 1; Multiple exostoses protein 1 homolog; N-acetylglucosaminyl-proteoglycan 4-beta-glucuronosyltransferase; Putative tumor suppressor protein EXT1; TRPS2; TTV; anti-EXT1 antibody

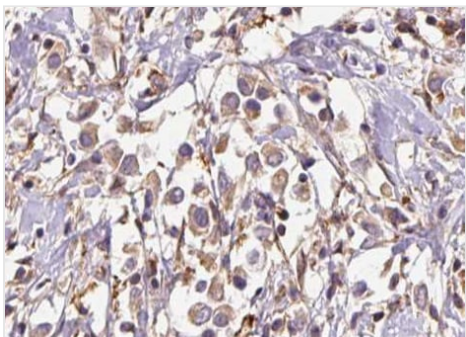
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	EXT1 antibody detects endogenous levels of total EXT1
Purity/Purification	Peptide affinity purification
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	746
Applicable Applications for anti-EXT1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human EXT1, corresponding to a region within N-terminal amino acids.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

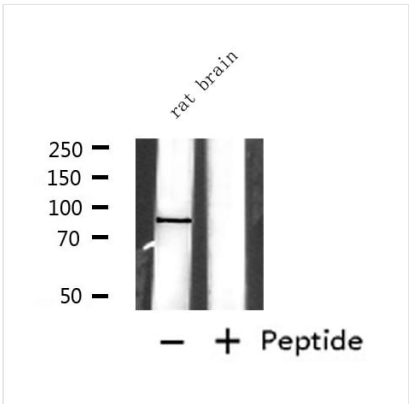
IMAGES



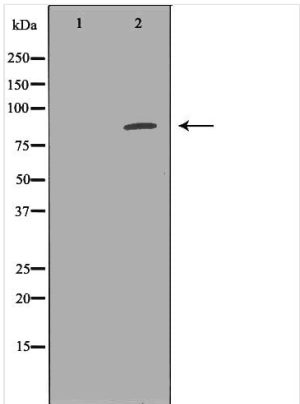
IHC (Immunohistochemistry)
AAA326527 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA326527 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from rat brain, using EXT1 Antibody.



WB (Western Blot)
Western blot analysis of HepG2 cell lysate, using EXT1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-EXT1 antibody	Description: Hereditary multiple exostoses (EXT) is an autosomal dominant disorder characterized by the formation of cartilage-capped tumors (exostoses) that develop from the growth plate of endochondral bone. This condition can lead to skeletal abnormalities, short stature and malignant transformation of exostoses to chondrosarcomas or osteosarcomas. Linkage analyses have identified three different genes for EXT, EXT1 on 8q24.1, EXT2 on 11p11-13 and EXT3 on 19p, a family of tumor suppressor genes. Most EXT cases have been attributed to missense or frameshift mutations, which lead to loss of function of the EXT genes. EXT1 is an ER-resident type II transmembrane glycoprotein and a heparan sulphate polymerase with both D-glucuronyl and N-acetyl-D-glucosaminoglycan transferase activities.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46370066
NCBI GeneID	2131
NCBI Accession #	NP_000118.2
NCBI GenBank Nucleotide #	NM_000127.2
UniProt Accession #	Q16394; Q9BVI9; B2R7V2
Molecular Weight	86 kDa
NCBI Official Full Name	exostosin-1

NCBI Official Synonym Full Names	exostosin glycosyltransferase 1
NCBI Official Symbol	EXT1
NCBI Official Synonym Symbols	EXT; LGS; TTV; LGCR; TRPS2
NCBI Protein Information	exostosin-1
UniProt Protein Name	Exostosin-1
UniProt Gene Name	EXT1

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://stage.aaabiotech.com/polyclonal/ext1-antibody-immunohistochemistry-western-blot-elisa/326527>