

Rabbit EXT2 Polyclonal Antibody | anti-EXT2 antibody

EXT2 Antibody (Center)

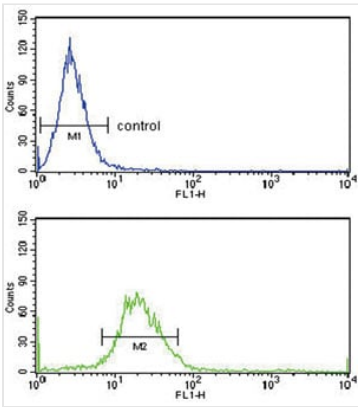
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290355	Rabbit	Human (Predicted Reactivity: Bovine, Mouse)	Flow Cytometry, Functional Assay, Western Blot, Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

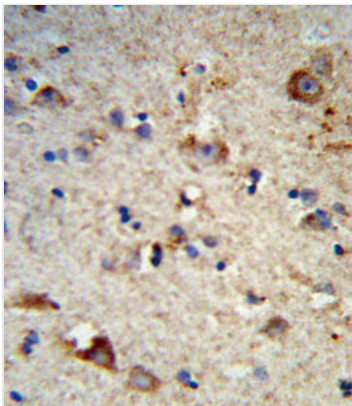
EXT2; Polyclonal Antibody; EXT2 Antibody (Center); Exostosin-2; Glucuronosyl-N-acetylglucosaminyl-proteoglycan/N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase; Multiple exostoses protein 2; Putative tumor suppressor protein EXT2; anti-EXT2 antibody

PRODUCT SPECIFICATIONS

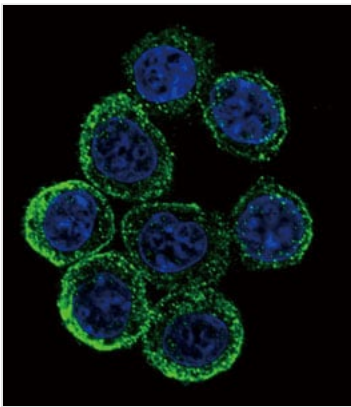
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Clone Number	RB23548
Specificity	This EXT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 182-209 amino acids from the Central region of human EXT2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	182-209
Sequence Length	751
Applicable Applications for anti-EXT2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Function	Glycosyltransferase required for the biosynthesis of heparan-sulfate. The EXT1/EXT2 complex possesses substantially higher glycosyltransferase activity than EXT1 or EXT2 alone. Appears to be a tumor suppressor. Required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:).
Cellular Location	Endoplasmic reticulum membrane; Single-pass type II membrane protein. Golgi apparatus membrane; Single-pass type II membrane protein. Note=The EXT1/EXT2 complex is localized in the Golgi apparatus
Tissue Location	Ubiquitous.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



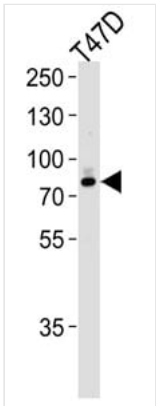
FCM/FACS (Flow Cytometry)
EXT2 Antibody (Center) flow cytometry analysis of HeLa cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with EXT2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of EXT2 Antibody (Center) with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
Western blot analysis of lysate from T47D cell line, using EXT2 Antibody (Center). AAA290355 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-EXT2 antibody	EXT2 encodes one of two glycosyltransferases involved in the chain elongation step of heparan sulfate biosynthesis.
Product Categories/Family for anti-EXT2 antibody	Crown Antibodies; Signal Transduction; Stem Cells
References	Zhao, J., et al. Diabetes 59(3):751-755(2010) Li, Y., et al. Genet Test Mol Biomarkers 13(6):825-830(2009) Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009) Heinritz, W., et al. Ann. Hum. Genet. 73 (PT 3), 283-291 (2009) Cornelis, M.C., et al. Ann. Intern. Med. 150(8):541-550(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	296010873
NCBI GeneID	2132
NCBI Accession #	NP_000392.3; NP_001171554.1; NP_997005.1
NCBI GenBank Nucleotide #	NM_000401.3

UniProt Accession #	Q93063; O15288; B2R5Z6; C9JU51; J3KPT2
Molecular Weight	82255
NCBI Official Full Name	exostosin-2 isoform 1
NCBI Official Synonym Full Names	exostosin glycosyltransferase 2
NCBI Official Symbol	EXT2
NCBI Official Synonym Symbols	SOTV
NCBI Protein Information	exostosin-2
UniProt Protein Name	Exostosin-2
UniProt Gene Name	EXT2
UniProt Entry Name	EXT2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ext2-antibody-clone-rb23548-flow-cytometry-western-blot-immunofluorescence-immunohistochemistry-elisa/290355>