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Rabbit Anti-EXTL3 antibody

SL13123R

Product Name:	EXTL3
Chinese Name:	多发性外生骨疣样蛋白3抗体
Alias:	botv; DKFZp686C2342; Exostoses (multiple)-like 3; Exostoses-like 3; Exostosin-like 3; EXT-related protein 1; EXTL1L; EXTL3; EXTL3_HUMAN; EXTR1; Glucuronyl-galactosyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferas; Glucuronyl-galactosyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase; Hereditary multiple exostoses gene isolog; KIAA0519; Multiple exostosis-like protein 3; Putative tumor suppressor protein EXTL3; REG; Reg receptor; REGR; RPR.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	105kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human EXTL3:351-450/919
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	EXTL3 is a member of the EXT (hereditary multiple exostosin) gene family of tumor suppressors encoding glycosyltransferases involved in heparan sulfate (HS)

biosynthesis. Within this family, the C-terminus is conserved between all members from C. elegans to vertebrates. EXTL3 is a ubiquitously expressed, developmentally regulated, single-pass type II membrane protein that localizes to the endoplasmic reticulum membrane. EXTL3 adds N-acetylglucosamine (GlcNAc) to the polysaccharide-protein linkage region and to the growing HS chain suggesting that it plays a role in both the initiation and elongation of HS chains. In addition, EXTL3 may act as a Reg receptor, binding Reg via its N-terminus.

Function:
Probable glycosyltransferase.

Subcellular Location:
Endoplasmic reticulum membrane.

Tissue Specificity:
Ubiquitous.

Similarity:
Belongs to the glycosyltransferase 47 family.

SWISS:
O43909

Gene ID:
2137

Database links:

Entrez Gene: 783970Cow

Entrez Gene: 2137Human

Entrez Gene: 54616Mouse

Entrez Gene: 56819Rat

Omim: 605744Human

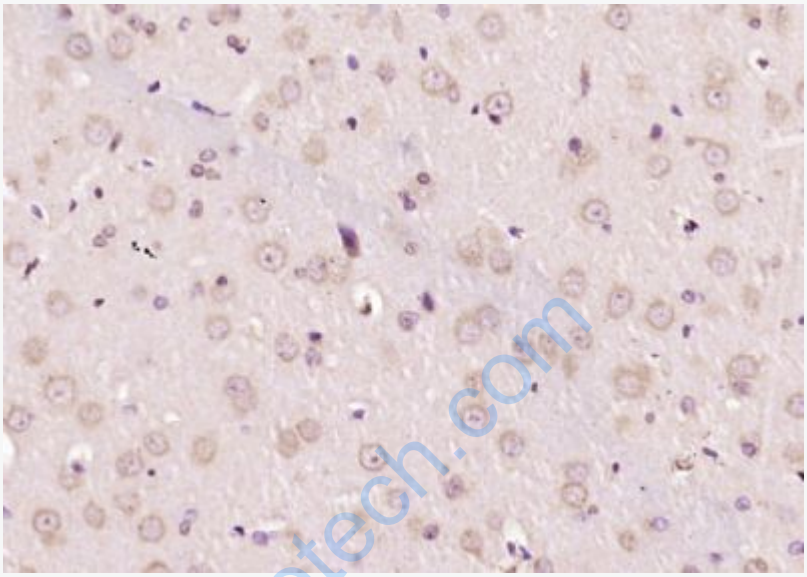
SwissProt: O43909Human

SwissProt: Q9WVL6Mouse

Unigene: 491354Human

Unigene: 103748Mouse

Unigene: 48671Rat

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EXTL3) Polyclonal Antibody, Unconjugated (SL13123R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.