

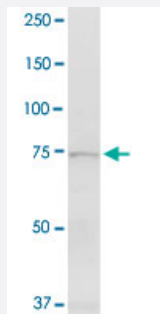
MaxPab®

EXT1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002131-D01P

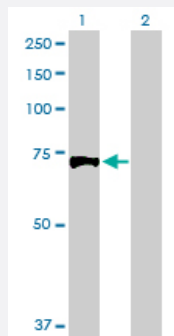
Size 100 ug

Applications



Western Blot (Tissue lysate)

EXT1 MaxPab rabbit polyclonal antibody. Western Blot analysis of EXT1 expression in human liver.

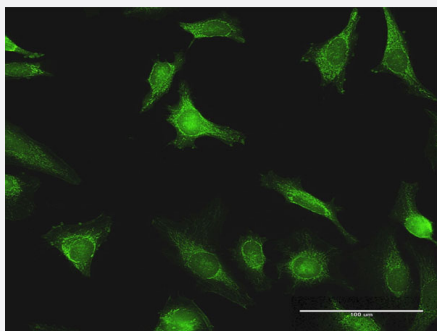


Western Blot (Transfected lysate)

Western Blot analysis of EXT1 expression in transfected 293T cell line ([H00002131-T01](#)) by EXT1 MaxPab polyclonal antibody.

Lane 1: EXT1 transfected lysate(86.30 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to EXT1 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human EXT1 protein.

Immunogen	EXT1 (NP_000118.2, 1 a.a. ~ 746 a.a) full-length human protein.
Sequence	MQAKKRYFILLSAGSCLALLFYFGGLQFRASRSHSRREEHSGRNLHHPSPDHFWRFPDALRP FVPWDQLENESSVHISPRQKRDANSSYKGGKCRMESCFDFTLCKKNGFKVYVYPQQKGEKIA ESYQNILAAIEGSRFYTSDPSQACLFVLSLDTLDRDQLSPQYVHNLRSKVQSLHLWNNGRNHLIFN LYSGTWPDYTEDVGFDIGQAMLAKASISTENFRPNFDVSIPLFSKDHPRTGGERGFLKFNTIPPLR KYMLVFKGKRYLTGIGSDTRNALYHVHNGEDVLLTTCKHKGKDQKHKDSRCDRDNTEYEKYDY REMLHNATFCLVPRGRRLGSFRFLEALQAACVPVMLSNGWELPFSEVINWNQAAVIGDERLLLQI PSTIRSIHQDKILALRQQTQFLWEAYFSSVEKMLTTLEIIQDRIFKHISRNLIWNKHPGGFLVLPQYS SYLGDFPYYYANLGLKPPSKFTAVIHAVTPLVSQSQPVLKLLVAAAKSQYCAQIMLVNCDKPLPA KHRWPATAVPVVVIEGESKVMSSRFLPYDNIITDAVLSLDEDTVLTSTTEVDFAFTVWQSFPERVG YPARSHFWDNSKERWGYTSKWTNDYSMLVTGAAMHKYYHYLYSHYLPASLKNMVDQLANCEDIL MNFLVSAVTKLPPIKVTQKKQYKETMMGQTSRASRWADPDHFAQRQSCMNTFASWFGYMPLIHS QMRDPVLFKDQVSILRKKYRDIERL
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

EXT1 MaxPab rabbit polyclonal antibody. Western Blot analysis of EXT1 expression in human liver.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of EXT1 expression in transfected 293T cell line ([H00002131-T01](#)) by EXT1 MaxPab polyclonal antibody.

Lane 1: EXT1 transfected lysate(86.30 KDa).

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to EXT1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — EXT1

Entrez GeneID [2131](#)

GeneBank Accession# [NM_000127](#)

Protein Accession# [NP_000118.2](#)

Gene Name EXT1

Gene Alias EXT, LGCR, LGS, TRPS2, ttv

Gene Description exostosin 1

Omim ID [133700 215300 608177](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes an endoplasmic reticulum-resident type II transmembrane glycosyltransferase involved in the chain elongation step of heparan sulfate biosynthesis. Mutations in this gene cause the type I form of multiple exostoses. [provided by RefSeq]

Other Designations Langer-Giedion syndrome chromosome region|N-acetylglucosaminyl-proteoglycan 4-beta-glucuronosyltransferase|OTTHUMP00000066043|exostosin 1|glucuronosyl-N-acetylglucosaminyl-proteoglycan 4-alpha-N- acetylglucosaminyltransferase

Publication Reference

- [Variations in metabolic enzymes cause differential changes of heparan sulfate and hyaluronan in high glucose treated cells on chip.](#)

Jinhua Wei, Dongdong Liu, Tong Xu, Limeng Zhu, Siming Jiao, Xubing Yuan, Zhuo A Wang, Jianjun Li, Yuguang Du.
International Journal of Biological Macromolecules 2023 Sep; 253(Pt 1):126627.

Application: WB, Human, HUVEC cells

- [A Splice Mutation and mRNA Decay of EXT2 Provoke Hereditary Multiple Exostoses.](#)

Tian C, Yan R, Wen S, Li X, Li T, Cai Z, Li X, Du H, Chen H.
PLoS One 2014 Apr; 9(4):e94848.

Application: WB-Ti, Human, Bone

Pathway

- [Heparan sulfate biosynthesis](#)

- [Metabolic pathways](#)

Disease

- [Exostoses](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)