

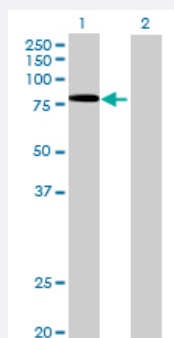
MaxPab®

EXT2 MaxPab mouse polyclonal antibody (B01)

Catalog # H00002132-B01

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of EXT2 expression in transfected 293T cell line ([H00002132-T01](#)) by EXT2 MaxPab polyclonal antibody.

Lane 1: EXT2 transfected lysate (78.98 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human EXT2 protein.

Immunogen

EXT2 (NP_000392, 1 a.a. ~ 718 a.a) full-length human protein.

Sequence

MCASVKYNIRGPALIPRMKTKHRIYYITLFSIVLLGLIATGMFQFWPHSIESSNDWNVEKRSIRDVPVV
RLPADSPIPERGDLSCRMHTCFDVYRCGFNPKNKIKVYIYALKKYVDDFGVSVSNTISREYNELLM
AISDSYYTDDINRACLFVPSIDVLNQNTLRIKETAQAMAQLSRWDRGTHLLFNMLPGGPPDYNT
ALDVPRDRALLAGGGFSTWYRQGYDVSIPVYSPLSAEVDLPEKGPGRQYFLLSSQVGLHPEY
REDLEALQVKHGESVLVLDKCTNLSEGVLSVRKRCHKHQVFDYPQVLQEATFCVVLRGARLGQ
AVLSDVLQAGCVPVVIADSYLPFSEVLDWKRAVVPVEEKMSDVYSILQSIPQRQIEEMQRQAR
WFWEAYFQSIKAIATLQIINDRIYPYAAISYEEWNDPPAVKWGSVSNPLFLPLIPPQSQGFTAVLT
YDRVESLFRVITEVSKVPSLSKLLVVWNNQKNPPEDSLWPKIRVPLKVVRTAENKLSNRFFPYD
EIETEAVLAIDDDIIMLTSDDELQFGYEVWREFPDRLVGYPGRHLHLDHEMNKWKYESEWTNEVSM
VLTGAIFYHKYFNLYTYKMPGDIKNWVDAHMCNCEIAMNFLVANVTGKAVIKVTPRKKFKCPECT
AIDGLSLDQTHMVERSECINKFASVFGTMPLKVVEHRADPVLKDDFPEKLKSFNIGSL

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

No additive

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Note

For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of EXT2 expression in transfected 293T cell line ([H00002132-T01](#)) by EXT2 MaxPab polyclonal antibody.

Lane 1: EXT2 transfected lysate(78.98 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — EXT2

Entrez GeneID[2132](#)**GeneBank Accession#**[NM_000401](#)**Protein Accession#**[NP_000392](#)**Gene Name**

EXT2

Gene Alias

SOTV

Gene Description

exostoses (multiple) 2

Omim ID[133701 608210](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes one of two glycosyltransferases involved in the chain elongation step of heparan sulfate biosynthesis. Mutations in this gene cause the type II form of multiple exostoses. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq]

Other Designations

Glucuronosyl-N-acetylglucosaminyl-proteoglycan 4-alpha-N- acetylglucosaminyltransferase|N-acetylglucosaminyl-proteoglycan 4-beta-glucuronosyltransferase|exostosin 2

Publication Reference

- [Old gene, new phenotype: mutations in heparan sulfate synthesis enzyme, EXT2 leads to seizure and developmental disorder, no exostoses.](#)

Farhan SM, Wang J, Robinson JF, Prasad AN, Rupar CA, Siu VM; FORGE Canada Consortium, Hegele RA.

Journal of Medical Genetics 2015 Oct; 52(10):666.

Application: Immunoblot, Human, COS-7, HEK293 cells, Skin fibroblasts

Pathway

- [Heparan sulfate biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Exostoses](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [HIV Infections](#)
- [Hyperglycemia](#)
- [Obesity](#)
- [Tobacco Use Disorder](#)