

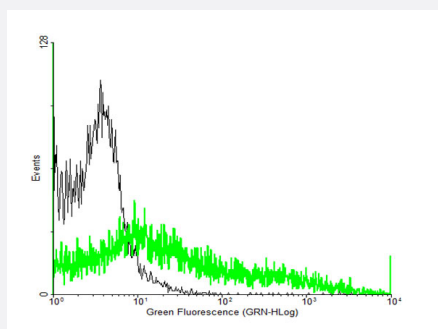
MaxPab®

GPR56 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00009289-B01P

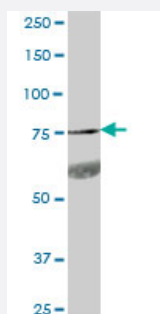
Size 50 ug

Applications



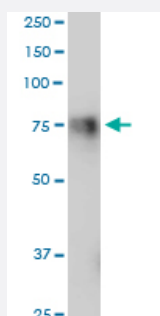
Flow Cytometry

FACS analysis of negative control 293 cells (Black) and GPR56 expressing 293 cells (Green) using GPR56 purified MaxPab mouse polyclonal antibody.



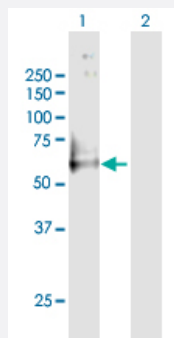
Western Blot (Tissue lysate)

GPR56 MaxPab polyclonal antibody. Western Blot analysis of GPR56 expression in human stomach.



Western Blot (Cell lysate)

GPR56 MaxPab polyclonal antibody. Western Blot analysis of GPR56 expression in IMR-32.



Western Blot (Transfected lysate)

Western Blot analysis of GPR56 expression in transfected 293T cell line ([H00009289-T01](#)) by GPR56 MaxPab polyclonal antibody.

Lane1:GPR56 transfected lysate(76.23 KDa).

Lane2:Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human GPR56 protein.
Immunogen	GPR56 (AAH08770.1, 1 a.a. ~ 693 a.a) full-length human protein.
Sequence	MTPQSLLQTTLFLLSLLFLVQGAHGRGHREDFRFC SQRNQTHRSSLHYKPTPDLRISIENSEEALT VHAPFPAAHPASRSFPDPRGLYHFCLYWNRHAGRLHLLYGKRD FLLSDKASSLLCFQHQEESLA QGPPLLATSVTSWWSPQNISLPSAASF TFSFHSPHTAAHNASVDMCELKRD LQLLSQFLKHPQ KASRRPSAAPASQQ LQSLESKLTSVRFMGDMVSFEEDRINATVWKLQPTAGLQDLHIHSRQEEE QSEIMEYSVLLPRTL FQRTKGRSGEAEKRLLL VDFSSQALFQDKNSSHVLGEKVLG MVVQNTKVA NLTEPVVLT FQHQLQPKNVT LQCVFWEDPTLSSPGHWSSAGCETVRRETQTSCFCNHLTYFAV LMVSSVEVDAVHKHYLSLLSYVGCVV SALACLVTIAAYLC SRVPLPCRKRPRDYTIKVHMNLLAV FLLDTSFLLSEPVALTGSEAGCRASAI FLHFSLLTCLSWMGLEGYNLYRLVVEVFGTYVPGYLLKL SAMGWGFPIFLVTLVALVDVDNYGP IILAVHRTPEGVYIPSMCWIRDSLVS YITNLGLFSLVFLFNMA MLATMVVQILRLRPHTQKWSHVL TLLGLSLVLGLPWALIFFSFASGTFQLVVL YLFSITSFQGF LIFI WYWSMRLQARGGPSPLKSNSDSARLP ISSGSTSSSRI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (78); Rat (78)
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

- Flow Cytometry

FACS analysis of negative control 293 cells (Black) and GPR56 expressing 293 cells (Green) using GPR56 purified MaxPab mouse polyclonal antibody.

- Western Blot (Tissue lysate)

GPR56 MaxPab polyclonal antibody. Western Blot analysis of GPR56 expression in human stomach.

[Protocol Download](#)

- Western Blot (Cell lysate)

GPR56 MaxPab polyclonal antibody. Western Blot analysis of GPR56 expression in IMR-32.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GPR56 expression in transfected 293T cell line ([H00009289-T01](#)) by GPR56 MaxPab polyclonal antibody.

Lane1:GPR56 transfected lysate(76.23 KDa).

Lane2:Non-transfected lysate.

[Protocol Download](#)

Gene Info — GPR56

Entrez GeneID	9289
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GeneBank Accession#	BC008770
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Protein Accession#	AAH08770.1
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Gene Name	GPR56
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Gene Alias	BFPP, DKFZp781L1398, TM7LN4, TM7XN1
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Gene Description	G protein-coupled receptor 56
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Omim ID	604110 606854
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Gene Ontology	Hyperlink
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Gene Summary

This gene encodes a member of the G protein-coupled receptor family. The protein contains 7 transmembrane domains and a mucin-like domain in the N-terminal region. The gene is implicated in the regulation of brain cortical patterning. The protein binds specifically to transglutaminase 2 in the extracellular space. Expression of this gene is downregulated in melanoma cell lines, and overexpression of this gene can suppress tumor growth and metastasis. Mutations in this gene result in bilateral frontoparietal polymicrogyria. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

EGF-TM7-like|seven transmembrane helix receptor

Publication Reference

- [Anti-GPR56 monoclonal antibody potentiates GPR56-mediated Src-Fak signaling to modulate cell adhesion.](#)

Treena Chatterjee, Sheng Zhang, Tressie A Posey, Joan Jacob, Ling Wu, Wangsheng Yu, Liezl E Francisco, Qingyun J Liu, Kendra S Carmon.

The Journal of Biological Chemistry 2021 Jan; 296:100261.

Application: WB, Human, 293T cells

Disease

- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)