

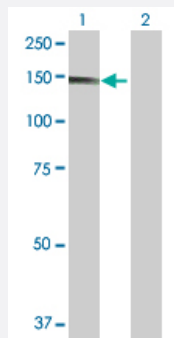
MaxPab®

UNC13D purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00201294-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of UNC13D expression in transfected 293T cell line ([H00201294-T02](#)) by UNC13D MaxPab polyclonal antibody.

Lane 1: UNC13D transfected lysate(123.30 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human UNC13D protein.

Immunogen

UNC13D (NP_954712.1, 1 a.a. ~ 1090 a.a) full-length human protein.

Sequence

MATLLSHPQQRPPFLRQAIKIRRRRVRLDQDPPPQMAPEIQPPSHHFSPEQRALLYEDALYTVLHR
LGHPNHNHVEASELLRYLQEAHFVEPEEHQQTLQRVRELEKPIFCLKATVKQAKGILGKDVSGF
SDPYCLLGIEQGVGVPGGSPGSRHRQKAVVRHTIPEEETHRTQVITQTLNPVWDETFEFILEEDITNA
SFHLDMWDLDTVESVRQKLGETLDLHGLRRIFKEARKDKGQDDFLGNVLRQLDLRCREDQWY
PLEPRTEYPDRGQCHLQFQLIHKRRATSASRSQPSYTVHLHLLQQLVSHEVTQHEAGSTSWDG
SLSPQAATVFLHATQKDLSDFHQSMAQWLAYSRLYQSLEFPSSCLLHPITSIEYQWIQGRKAEQ
QEELAASFSSLLTYGLSLIRFRSVFPLSVSDSPARLQSLRLVLVQMCKMKAFGELCPNTAPLPQ
LVTEALQTGTTEWFHLKQHHQPMVQGIPEAGKALLGLVQDVIGDLHQCQRTWDKIFHNTLKIHLF
SMAFRELQWLVAKRVDHTTVVGDVVSPEMGESLFQLYISLKELCQLRMSSSERDGVLDLNFH
RWFQPAIPSWLQKTYNEALARVQRAVQMDLVLPLGELTKHSTSAVDLSTCFAQISHTARQLDWP
DPEEAFMITVKFVEDTCRLALVYCSLIKARARELSSGQKDQGQAANMLCVVNDMEQLRLVIGKL
PAQLAWEALEQRVGAVLEQGGQLQNTLHAQLQSALAGLGHEIRTVGLAEQLEVGIAKHQKLVG
VRESVLPEDAILPLMKFLEVELCYMNTNLVQENFSSLLTLLWTHLTVLVEAAASQRSSSLASNRL
KIALQNLEICFHAEGCGLPPKALHTATFQALQRDLELQAASSRELIRKYFCRSRIQQQAETTSEELGA
VTVKASYRASEQKLRLVELLSASSLLPLDSNGSSDPFVQLTLEPRHEFPPELAARETQKHKKDLHPL
FDETFEFLVPAEPCRKAGACLLLTVDYDTLGADDLEGEAFLPLREVPGLSGSEEPGEVPQTRL
PLTYPAPNGDPILQLLEGRKGDREAQVFVRLRRHRAKQASQHALRPAP

Host	Rabbit
Reactivity	Human
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.

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — UNC13D

Entrez GeneID	201294
GeneBank Accession#	NM_199242.1
Protein Accession#	NP_954712.1
Gene Name	UNC13D
Gene Alias	FHL3, HLH3, HPLH3, Munc13-4
Gene Description	unc-13 homolog D (C. elegans)
Omim ID	608897 608898
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that is a member of the UNC13 family, containing similar domain structure as other family members but lacking an N-terminal phorbol ester-binding C1 domain present in other Munc13 proteins. The protein appears to play a role in vesicle maturation during exocytosis and is involved in regulation of cytolytic granules secretion. Mutations in this gene are associated with familial hemophagocytic lymphohistiocytosis type 3, a genetically heterogeneous, rare autosomal recessive disorder. [provided by RefSeq]
Other Designations	unc-13 homolog D

Publication Reference

- [The Obligate Intracellular Bacterial Pathogen *Anaplasma phagocytophilum* Exploits Host Cell Multivesicular Body Biogenesis for Proliferation and Dissemination.](#)

Curtis B Read, Mary Clark H Lind, Travis J Chiarelli, Jerilyn R Izac, Haley E Adcox, Richard T Marconi, Jason A Carlyon.
Mbio 2022 Nov; e0296122.

Application: IF, Macaque, RF/6A cells

- [Munc13-4 functions as a Ca²⁺ sensor for homotypic secretory granule fusion to generate endosomal exocytic vacuoles.](#)

Woo SS, James DJ, Martin TF.

Molecular Biology of the Cell 2017 Mar; 28(6):792.

Application: IF, WB, Rat, RBL cells

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)
- [Lymphohistiocytosis](#)
- [Macrophage Activation Syndrome](#)