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HERC4 Antibody (monoclonal) (M08)

Mouse monoclonal antibody raised against a partial recombinant HERC4.
Catalog # AT2352a

Product Information

Application	WB, E
Primary Accession	Q5GLZ8
Other Accession	NM_022079
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2G7
Calculated MW	118563

Additional Information

Gene ID	26091
Other Names	Probable E3 ubiquitin-protein ligase HERC4, 632-, HECT domain and RCC1-like domain-containing protein 4, HERC4, KIAA1593
Target/Specificity	HERC4 (NP_071362, 341 a.a. ~ 440 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	HERC4 Antibody (monoclonal) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

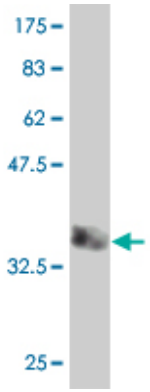
HERC4 belongs to the HERC family of ubiquitin ligases, all of which contain a HECT domain and at least 1 RCC1 (MIM 179710)-like domain (RLD). The 350-amino acid HECT domain is predicted to catalyze the formation of a thioester with ubiquitin before transferring it to a substrate, and the RLD is predicted to act as a guanine nucleotide exchange factor for small G proteins (Hochrainer et al., 2005 [PubMed 15676274]).

References

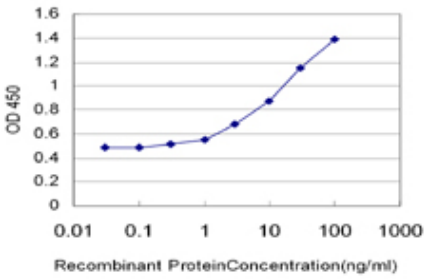
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Highly homologous HERC proteins localize to

endosomes and exhibit specific interactions with hPLIC and Nm23B. Hochrainer K, et al. Cell Mol Life Sci, 2008 Jul. PMID 18535780.A scan of chromosome 10 identifies a novel locus showing strong association with late-onset Alzheimer disease. Grupe A, et al. Am J Hum Genet, 2006 Jan. PMID 16385451.The human HERC family of ubiquitin ligases: novel members, genomic organization, expression profiling, and evolutionary aspects. Hochrainer K, et al. Genomics, 2005 Feb. PMID 15676274.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged HERC4 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.