

HERC4 Antibody (monoclonal) (M08)**Mouse monoclonal antibody raised against a partial recombinant HERC4.****Catalog # AT2352a****Specification**

HERC4 Antibody (monoclonal) (M08) - Product Information

Application	WB, E
Primary Accession	Q5GLZ8
Other Accession	NM_022079
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	118563

HERC4 Antibody (monoclonal) (M08) - 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

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.

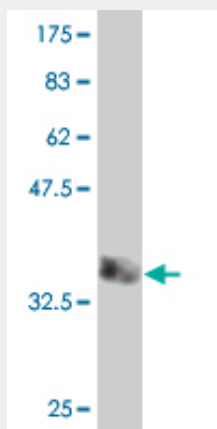
HERC4 Antibody (monoclonal) (M08) - Protocols

Provided below are standard protocols that you may find useful for product applications.

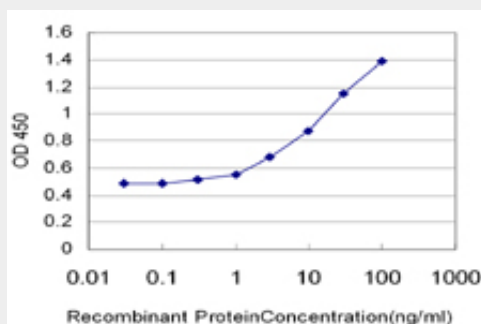
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HERC4 Antibody (monoclonal) (M08) - 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.

HERC4 Antibody (monoclonal) (M08) - 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]).

HERC4 Antibody (monoclonal) (M08) - 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.