

MFHA1/Malignant fibrous histiocyteoma Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57194**Specification****MFHA1/Malignant fibrous histiocyteoma Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	O9Y4C4
Reactivity	Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	116950

MFHA1/Malignant fibrous histiocyteoma Polyclonal Antibody - Additional Information**Gene ID** 9258**Other Names**

Malignant fibrous histiocyteoma-amplified sequence 1, Malignant fibrous histiocyteoma-amplified sequence with leucine-rich tandem repeats 1, MFHAS1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=16982)
HGNC:16982

Dilution

IHC-P ~ N/A
IHC-F ~ N/A
IF ~ 1:50 ~ 200
ICC ~ N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

MFHA1/Malignant fibrous histiocyteoma Polyclonal Antibody - Protein Information**Name** MFHAS1 ([HGNC:16982](#))**Function**

Probable GTP-binding protein (PubMed: [24286120](http://www.uniprot.org/citations/24286120)). Functions in innate immunity and more specifically the inflammatory response as a regulator of the Toll-like receptor TLR2 and TLR4 signaling pathways (PubMed: [26599367](http://www.uniprot.org/citations/26599367), PubMed: [28471450](http://www.uniprot.org/citations/28471450), PubMed: [28609714](http://www.uniprot.org/citations/28609714)). Negatively regulates the part of the TLR4 signaling pathway that leads to the activation of the transcription factor AP-1. By retaining the phosphatase complex PP2A into the cytoplasm, prevents the dephosphorylation of the AP-1 subunit JUN which is required for proper activation of the transcription factor (PubMed: [28609714](http://www.uniprot.org/citations/28609714)). Both inhibits and activates the TLR2-dependent signaling

pathway (PubMed:26599367). Positively regulates the TLR2 signaling pathway to activate specifically the downstream p38 and JNK MAP kinases and promote the polarization of macrophages toward the pro-inflammatory M1 phenotype (PubMed:28471450). It may also play a role in the regulation of inflammation induced by high glucose through the PKB/AKT signaling pathway (PubMed:29168081). Also involved in erythrocyte differentiation through activation of the ERK1/ERK2 signaling pathway (PubMed:23327923).

Cellular Location

Cytoplasm.

Tissue Location

Ubiquitously expressed. Overexpressed in malignant fibrous histiocytomas (PubMed:9973190). Expressed in red blood cells (at protein level) (PubMed:23327923).

MFHA1/Malignant fibrous histiocytoma Polyclonal Antibody - 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](#)

MFHA1/Malignant fibrous histiocytoma Polyclonal Antibody - Images