

DDEF1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant DDEF1.****Catalog # AT1729a****Specification**

DDEF1 Antibody (monoclonal) (M01) - Product Information

Application	WB, IF, E
Primary Accession	O9ULH1
Other Accession	NM_018482
Reactivity	Human, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	125498

DDEF1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 50807**Other Names**

Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1, 130 kDa
phosphatidylinositol 4, 5-bisphosphate-dependent ARF1 GTPase-activating protein,
ADP-ribosylation factor-directed GTPase-activating protein 1, ARF GTPase-activating protein 1,
Development and differentiation-enhancing factor 1, DEF-1, Differentiation-enhancing factor 1,
PIP2-dependent ARF1 GAP, ASAP1, DDEF1, KIAA1249

Target/Specificity

DDEF1 (NP_060952, 1030 a.a. ~ 1129 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IF~~1:50~200

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

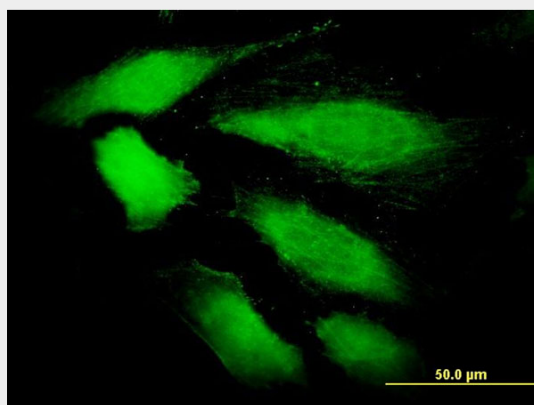
DDEF1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

DDEF1 Antibody (monoclonal) (M01) - Protocols

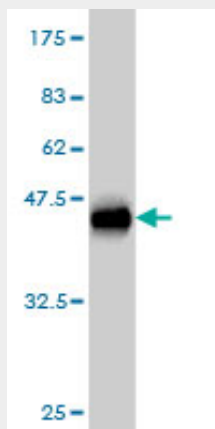
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

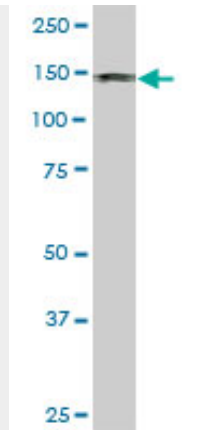
DDEF1 Antibody (monoclonal) (M01) - Images



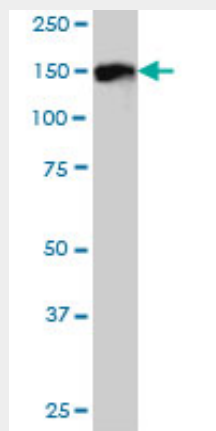
Immunofluorescence of monoclonal antibody to DDEF1 on HeLa cell. [antibody concentration 10 ug/ml]



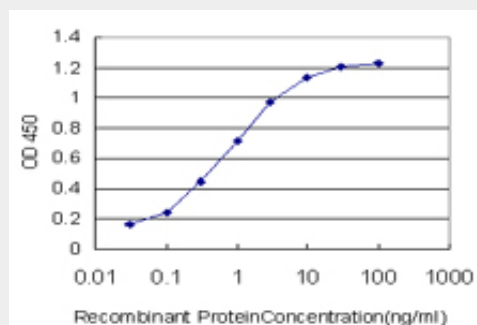
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



DDEF1 monoclonal antibody (M01), clone 2G7. Western Blot analysis of DDEF1 expression in PC-12 (Cat # AT1729a)



DDEF1 monoclonal antibody (M01), clone 2G7 Western Blot analysis of DDEF1 expression in IMR-32 (Cat # AT1729a)



Detection limit for recombinant GST tagged DDEF1 is approximately 0.03ng/ml as a capture antibody.

DDEF1 Antibody (monoclonal) (M01) - References

ASAP1 promotes tumor cell motility and invasiveness, stimulates metastasis formation in vivo, and correlates with poor survival in colorectal cancer patients. Miller T, et al. *Oncogene*, 2010 Apr 22. PMID 20154719. Genome-wide association study identifies new multiple sclerosis susceptibility loci on chromosomes 12 and 20. Australia and New Zealand Multiple Sclerosis Genetics Consortium (ANZgene). *Nat Genet*, 2009 Jul. PMID 19525955. Identification of interaction partners for individual SH3 domains of Fas ligand associated members of the PCH protein family in T lymphocytes. Linkermann A, et al. *Biochim Biophys Acta*, 2009 Feb. PMID 19041431. Autoinhibition of Arf GTPase-activating protein activity by the BAR domain in ASAP1. Jian X, et al. *J Biol Chem*, 2009 Jan

16. PMID 19017632. Arf GTPase-activating protein ASAP1 interacts with Rab11 effector FIP3 and regulates pericentrosomal localization of transferrin receptor-positive recycling endosome. Inoue H, et al. Mol Biol Cell, 2008 Oct. PMID 18685082.