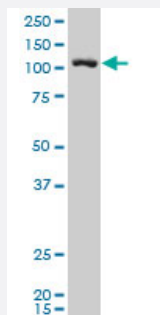


DDEF2 polyclonal antibody (A01)

Catalog # H00008853-A01

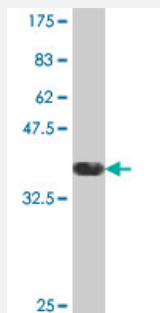
Size 50 uL

Applications



Western Blot (Cell lysate)

DDEF2 polyclonal antibody (A01), Lot # 060501JCS1 Western Blot analysis of DDEF2 expression in SJCRH30 (Cat # L027V1).



Western Blot detection against Immunogen (36.89 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant DDEF2.
Immunogen	DDEF2 (NP_003878, 909 a.a. ~ 1006 a.a) partial recombinant protein with GST tag.
Sequence	RGPVDLSATEALGPLSNAMVLQPPAPMPRKSQATKLKPKRVKALYNVADNPDELTFSEGDVIV DGEEDQEWIWIGHIDGDPGRKGAFPVSFVHFAD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.89 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

DDEF2 polyclonal antibody (A01), Lot # 060501JCS1 Western Blot analysis of DDEF2 expression in SJCRH30 (Cat # L027V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ASAP2

Entrez GeneID

[8853](#)

GeneBank Accession#

[NM_003887](#)

Protein Accession#

[NP_003878](#)

Gene Name

ASAP2

Gene Alias

AMAP2, CENTB3, DDEF2, FLJ42910, KIAA0400, PAG3, PAP, Pap-alpha, SHAG1

Gene Description

ArfGAP with SH3 domain, ankyrin repeat and PH domain 2

Omim ID

[603817](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a multidomain protein containing an N-terminal alpha-helical region with a coiled-coil motif, followed by a pleckstrin homology (PH) domain, an Arf-GAP domain, an ankyrin homology region, a proline-rich region, and a C-terminal Src homology 3 (SH3) domain. The protein localizes in the Golgi apparatus and at the plasma membrane, where it colocalizes with protein tyrosine kinase 2-beta (PYK2). The encoded protein forms a stable complex with PYK2 in vivo. This interaction appears to be mediated by binding of its SH3 domain to the C-terminal proline-rich domain of PYK2. The encoded protein is tyrosine phosphorylated by activated PYK2. It has catalytic activity for class I and II ArfGAPs in vitro, and can bind the class III Arf ARF6 without immediate GAP activity. The encoded protein is believed to function as an ARF GAP that controls ARF-mediated vesicle budding when recruited to Golgi membranes. In addition, it functions as a substrate and downstream target for PYK2 and SRC, a pathway that may be involved in the regulation of vesicular transport. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

PYK2 C terminus-associated protein|centaurin, beta 3|development and differentiation enhancing factor 2

Pathway

- [Endocytosis](#)
- [Fc gamma R-mediated phagocytosis](#)