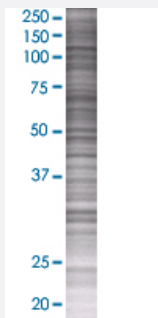


DDEF2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00008853-T01

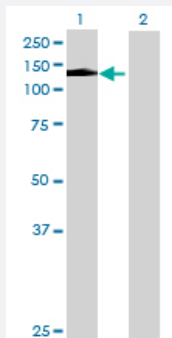
Size 100 uL

Applications



SDS-PAGE Gel

DDEF2 transfected lysate.



Western Blot

Lane 1: DDEF2 transfected lysate (110.77 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-DDEF2 full-length
Host	Human
Theoretical MW (kDa)	110.77
Interspecies Antigen Sequence	Mouse (93)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-DDEF2 antibody ([H00008853-B01](#)) by Western Blots.
SDS-PAGE Gel
DDEF2 transfected lysate.
Western Blot
Lane 1: DDEF2 transfected lysate (110.77 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ASAP2

Entrez GeneID[8853](#)**GeneBank Accession#**[NM_003887.1](#)**Protein Accession#**[NP_003878.1](#)**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](#)