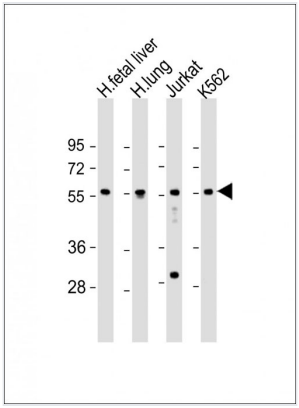
EFS Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EFS, Polyclonal Antibody
Full Product Name	EFS Antibody (Center)
Product Gene Name	anti-EFS antibody
Product Synonym Names	Purified Rabbit Polyclonal Antibody (Pab); Embryonal Fyn-associated substrate; hEFS; Cas scaffolding protein family member 3; EFS; CASS3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	EFS peptide (MBS9230521) is used for blocking the activity of EFS antibody (MBS9216895)
Molecular Weight	40,957 Da
OMIM	609906
3D Structure	ModBase 3D Structure for O43281
Antigen Type	Synthesized Peptide
Product Categories/Family for anti-EFS antibody	Signal Transduction
Applications Tested/Suitable for anti-EFS antibody	Western Blot (WB)
Application Notes for anti-EFS antibody	WB~~1:1000-1:2000
Related Product Information for anti-EFS antibody	Docking protein which plays a central coordinating role for tyrosine-kinase-based signaling related to cell adhesion. May serve as an activator of SRC and a downstream effector. Interacts with the SH3 domain of FYN and with CRK, SRC, and YES (By similarity).
Product References and Citations for anti-EFS antibody	Ishino M.,et al.Oncogene 15:1741-1745(1997). Ota T.,et al.Nat. Genet. 36:40-45(2004). Heilig R.,et al.Nature 421:601-607(2003). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Sjoeblom T.,et al.Science 314:268-274(2006).
Other Notes	Small volumes of anti-EFS antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EFS purchase	MBS9216895 is an antibody targeting EFS. Also known as EFS Antibody (Center). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-EFS antibody
All lanes : Anti-EFS Antibody (Center) at 1:1000-1:2000 dilutionLane 1: human fetal liver lysateLane 2: human lung lysateLane 3: Jurkat whole cell lysateLane 4: K562 whole cell lysateLysates/proteins at 20 ug per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 59 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EFS. It may not necessarily be applicable to this product.

NCBI GI #	461496497
NCBI GeneID	10278
NCBI Accession #	NP_001264103.1
UniProt Primary Accession #	O43281
UniProt Secondary Accession #	O43282; B2RAJ7; B4DJ56; E9PGU2
UniProt Related Accession #	O43281
GenBank Nucleotide #	NM_001277174.1
NCBI Official Full Name	embryonal Fyn-associated substrate isoform 3
NCBI Official Synonym Full Names	embryonal Fyn-associated substrate
NCBI Official Symbol	EFS
NCBI Official Synonym Symbols	SIN; CAS3; EFS1; EFS2; HEFS; CASS3
UniProt Protein Name	Embryonal Fyn-associated substrate
UniProt Synonym Protein Names	Cas scaffolding protein family member 3
Protein Family	Embryonal Fyn-associated substrate
UniProt Gene Name	EFS
UniProt Synonym Gene Names	CASS3; hEFS
UniProt Entry Name	EFS_HUMAN
NCBI Protein Information	embryonal Fyn-associated substrate
NCBI Summary for EFS	The longest protein isoform encoded by this gene contains an SH3 domain, which is known to be important in intracellular signal transduction. The protein encoded by a similiar gene in mice was shown to bind to SH3 domains of protein-tyrosine kinases. The function of this gene is unknown. Three alternatively spliced variants encoding different isoforms have been described for this gene. [provided by RefSeq, Mar 2013]

UniProt Comments for EFS	EFS: Docking protein which plays a central coordinating role for tyrosine-kinase-based signaling related to cell adhesion. May serve as an activator of SRC and a downstream effector. Interacts with the SH3 domain of FYN and with CRK, SRC, and YES. Belongs to the CAS family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 14q11.2 Cellular Component: cytoplasm Molecular Function: protein binding; protein domain specific binding; SH3 domain binding Biological Process: cell adhesion
Research Articles on EFS	**1.** EFS and CASS4 protein function in the context of the larger CAS family group. [Review]
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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