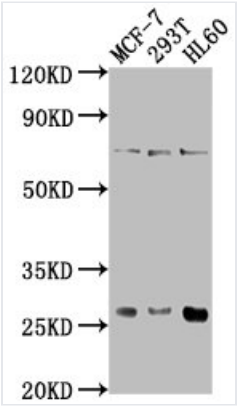
STYX Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	STYX, Polyclonal Antibody
Full Product Name	STYX Antibody
Product Gene Name	anti-STYX antibody
Product Synonym Names	Serine/threonine/tyrosine-interacting protein (Protein Tyrosine phosphatase-like protein); STYX
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Purity/Purification	Antigen Affinity Purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: STYX (MBS7134846) HRP Conjugated Antibody: STYX (MBS7134847)
Matching Pairs	Unconjugated Antibody: STYX (MBS7134846) FITC Conjugated Antibody: STYX (MBS7134848)
Matching Pairs	Unconjugated Antibody: STYX (MBS7134846) Biotin Conjugated Antibody: STYX (MBS7134849)
Molecular Weight	25,492 Da
OMIM	615814
3D Structure	ModBase 3D Structure for Q8WUJ0
Immunogen	Recombinant Human Serine/threonine/tyrosine-interacting protein (1-223AA)
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-STYX antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-STYX antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-STYX antibody	WB: 1:500-1:2000
Related Product Information for anti-STYX antibody	MBS7134846 is an antibody targeting STYX. Also known as STYX Antibody. Reactive in Human. Host: Rabbit.

Other Notes	Small volumes of anti-STYX 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.



Western Blot (WB) of anti-STYX antibody
Western BlotPositive WB detected in: MCF-7 whole cell lysate, 293T whole cell lysate, HL60 whole cell lysateAll lanes: STYX antibody at 1:1000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 26 kDaObserved band size: 26 kDa

ADDITIONAL DETAILS

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

NCBI GI #	194733759
NCBI GeneID	6815
NCBI Accession #	NP_001124173.1
UniProt Primary Accession #	Q8WUJ0
UniProt Secondary Accession #	Q99850; B9EJG0
UniProt Related Accession #	Q8WUJ0
GenBank Nucleotide #	NM_001130701.1
NCBI Official Full Name	serine/threonine/tyrosine-interacting protein
NCBI Official Synonym Full Names	serine/threonine/tyrosine interacting protein
NCBI Official Symbol	STYX
UniProt Protein Name	Serine/threonine/tyrosine-interacting protein
UniProt Synonym Protein Names	Protein tyrosine phosphatase-like protein
Protein Family	Serine/threonine/tyrosine-interacting protein
UniProt Gene Name	STYX
UniProt Entry Name	STYX_HUMAN
NCBI Protein Information	serine/threonine/tyrosine-interacting protein; protein tyrosine phosphatase-like protein
NCBI Summary for STYX	The protein encoded by this gene is a pseudophosphatase, able to bind potential substrates but lacking an active catalytic loop. The encoded protein may be involved in spermiogenesis. Two transcript variants encoding the same protein have been found for these genes. [provided by RefSeq, Oct 2011]

UniProt Comments for STYX	STYX: Probable pseudophosphatase. Contains a Gly residue instead of a conserved Cys residue in the dsPTPase catalytic loop which renders it catalytically inactive as a phosphatase. The binding pocket is however sufficiently preserved to bind phosphorylated substrates, and maybe protect them from phosphatases. Seems to play a role in spermiogenesis. Belongs to the protein-tyrosine phosphatase family. Non-receptor class subfamily. Protein type: Protein phosphatase, tyrosine (non-receptor); Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: - Cellular Component: cytoplasm; nucleus; cytosol Molecular Function: protein binding; protein tyrosine/serine/threonine phosphatase activity Biological Process: MAPK export from nucleus; spermatogenesis; protein amino acid dephosphorylation
Research Articles on STYX	**1.** results identify STYX as an important regulator of ERK1/2 signaling critical for cell migration
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