



Anti-eIF3H monoclonal antibody (DCABH-9289)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to EIF3S3
Antigen Description	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA ⁱ and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.
Immunogen	Recombinant fragment with tag: YDPIKTAQGS LSLKAYRLTP KLMEVCCKED FSPEALKKAN ITFEYMFEEV PIVIKNSHLI NVLMWELEKK SAVADKHELL SLASSNHLGK NLQLLLMDRV, corresponding to amino acids 152-251 of Human EIF3S3
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB, ELISA
Positive Control	Jurkat whole cell lysate.
Format	Liquid
Size	100 µg
Buffer	Preservative: None; Constituents: PBS, pH 7.2

Preservative	None
Storage	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	EIF3H eukaryotic translation initiation factor 3, subunit H [Homo sapiens]
Official Symbol	EIF3H
Synonyms	EIF3H; eukaryotic translation initiation factor 3, subunit H; EIF3S3, eukaryotic translation initiation factor 3, subunit 3 gamma, 40kDa; eukaryotic translation initiation factor 3 subunit H; eIF3 gamma; eIF3 p40; eIF3h; eIF-3-gamma; eIF3 p40 subunit; eu
Entrez Gene ID	8667
Protein Refseq	NP_003747
UniProt ID	O15372
Chromosome Location	8q24.11
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Formation of a pool of free 40S subunits, organism-specific biosystem; Formation of the ternary complex, and subsequently, the 43S complex, organism-specific biosystem; GTP hydrolysis and joining of the 60S ribosomal subunit, organism-specific biosystem; Gene Expression, organism-specific biosystem;
Function	protein binding; contributes_to translation initiation factor activity; contributes_to translation initiation factor activity;