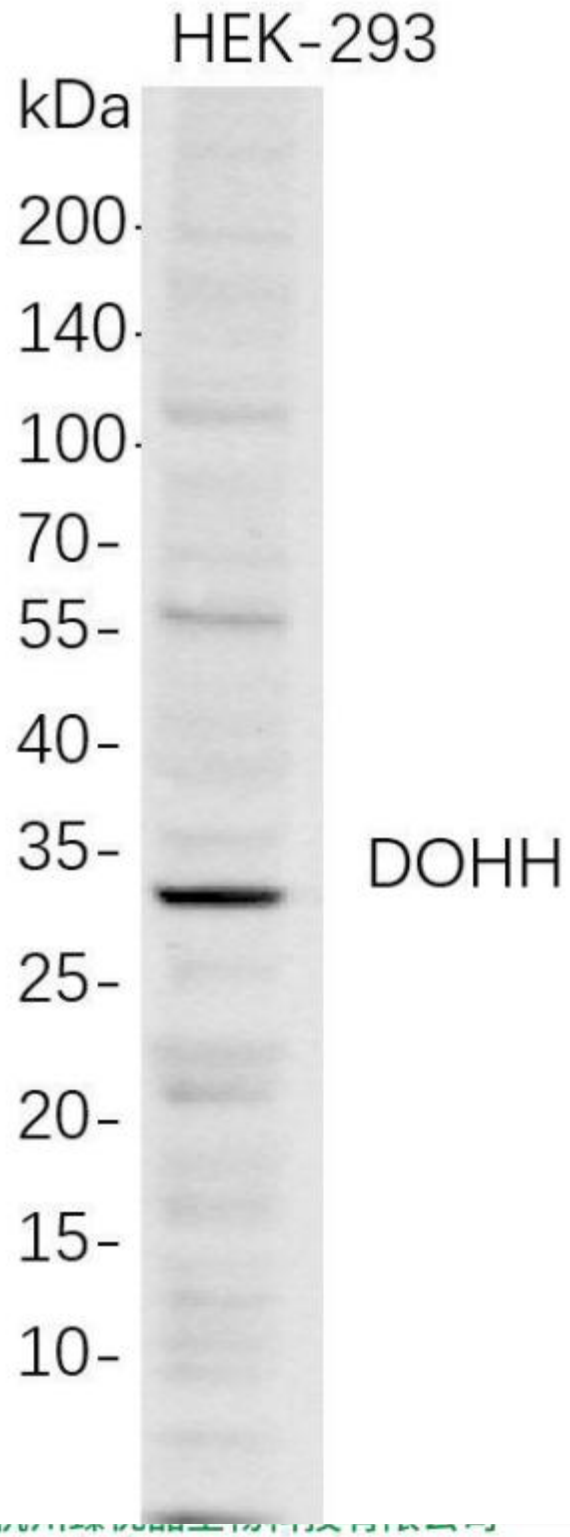
DOHH Rabbit mAb

Catalog No	YP-rAb-17701
Isotype	IgG
Reactivity	Human
Applications	WB,IP
Gene Name	DOHH;HLRC1
Protein Name	Deoxyhypusine hydroxylase;hDOHH;Deoxyhypusine dioxygenase;Deoxyhypusine monooxygenase;HEAT-like repeat-containing protein 1;
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:1000-5000; IP 1:50-100
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	DOHH ; HLRC1 ; Deoxyhypusine hydroxylase ; hDOHH ; Deoxyhypusine dioxygenase ; Deoxyhypusine monooxygenase ; HEAT-like repeat-containing protein 1 ;
Observed Band	33kD
Calculated Molecular Weight	
Cell Pathway	
Tissue Specificity	
Function	Catalyzes the hydroxylation of the N(6)-(4-aminobutyl)-L-lysine intermediate produced by deoxyhypusine synthase/DHPS on a critical lysine of the eukaryotic translation initiation factor 5A/eIF-5A. This is the second step of the post-translational modification of that lysine into an unusual amino acid residue named hypusine (PubMed:16371467, PubMed:16533814, PubMed:19706422) Hypusination is unique to mature eIF-5A factor and is essential for its function (By similarity). {ECO:0000250|UniProtKB:Q99LN9, ECO:0000255|HAMAP-Rule:MF_03101, ECO:0000269|PubMed:16371467, ECO:0000269|PubMed:16533814, ECO:0000269|PubMed:19706422}.

Background	This gene encodes a metalloenzyme that catalyzes the last step in the conversion of lysine to the unique amino acid hypusine in eukaryotic initiation factor 5A. The encoded protein hydroxylates deoxyhypusine to form hypusine in the mature eukaryotic initiation factor 5A protein. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Feb 2009]
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Western Blot analysis of HEK-293 whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-DOHH rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.