

DOHH antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14583

Product Information

Application	WB
Primary Accession	Q9BU89
Other Accession	NM_031304 , NP_112594
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Mouse, Rat, Zebrafish, Chicken, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32904

Additional Information

Gene ID	83475
Alias Symbol Other Names	HLRC1, MGC4293, hDOHH Deoxyhypusine hydroxylase {ECO:0000255 HAMAP-Rule:MF_03101}, hDOHH, 1.14.99.29 {ECO:0000255 HAMAP-Rule:MF_03101}, Deoxyhypusine dioxygenase {ECO:0000255 HAMAP-Rule:MF_03101}, Deoxyhypusine monooxygenase {ECO:0000255 HAMAP-Rule:MF_03101}, HEAT-like repeat-containing protein 1, DOHH {ECO:0000255 HAMAP-Rule:MF_03101}, HLRC1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-DOHH antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	DOHH antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

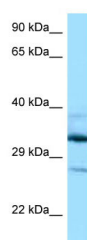
Name	DOHH {ECO:0000255 HAMAP-Rule:MF_03101, ECO:0000312 HGNC:HGNC:28662}
Function	Catalyzes the hydroxylation of the N(6)-(4-aminobutyl)-L- lysine intermediate produced by deoxyhypusine synthase/DHPS on a critical lysine of the eukaryotic translation initiation factor 5A/eIF- 5A. This is the second step 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).

References

Grimwood J.,et al.Nature 428:529-535(2004).
Kim Y.S.,et al.J. Biol. Chem. 281:13217-13225(2006).
Park J.-H.,et al.Proc. Natl. Acad. Sci. U.S.A. 103:51-56(2006).
Vu V.V.,et al.Proc. Natl. Acad. Sci. U.S.A. 106:14814-14819(2009).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

Images



WB Suggested Anti-DOHH Antibody Titration: 1.0 µg/ml
Positive Control: MDA-MB-435S Whole CellDOHH is strongly supported by BioGPS gene expression data to be expressed in Human MDA-MB435 cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.