

DOHH antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14583**Specification**

DOHH antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9BU89
Other Accession	NM_031304 , NP_112594
Reactivity	Human, Mouse, Rat, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Chicken, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33kDa kDa

DOHH antibody - N-terminal region - Additional Information**Gene ID** 83475**Alias Symbol** **HLRC1, MGC4293, hDOHH****Other Names**

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.

DOHH antibody - N-terminal region - 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

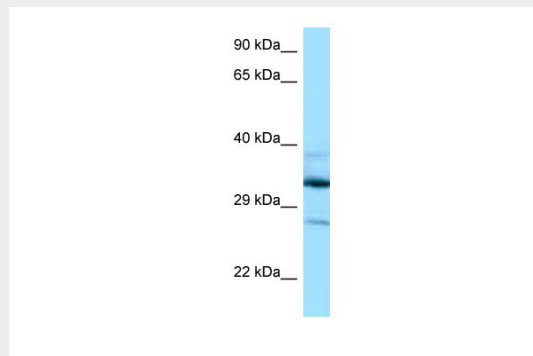
unusual amino acid residue named hypusine (PubMed:16371467, PubMed:16533814, PubMed:19706422). Hypusination is unique to mature eIF-5A factor and is essential for its function (By similarity).

DOHH antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DOHH antibody - N-terminal region - Images



WB Suggested Anti-DOHH Antibody Titration: 1.0 µg/ml

Positive Control: MDA-MB-435S Whole Cell DOHH is strongly supported by BioGPS gene expression data to be expressed in Human MDA-MB435 cells

DOHH antibody - N-terminal region - 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).