Datasheet for ABIN7602424

anti-HCCS antibody (AA 76-268)

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Overview

Quantity:	100 µg
Target:	HCCS
Binding Specificity:	AA 76-268
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HCCS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-HCCS Antibody Picoband®
Immunogen:	E.coli-derived human HCCS recombinant protein (Position: K76-S268).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-HCCS Antibody Picoband® (ABIN7602424). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	HCCS
Alternative Name:	HCCS (HCCS Products)
Background:	Synonyms: Insulin-like growth factor-binding protein 1, IBP-1, IGF-binding protein 1, IGFBP-1, Igfbp1, Igfbp-1, Tissue Specificity: High expression in adult thyroid, lower expression in adult and fetal kidney and fetal brain. Not expressed in other tissues. Background: Cytochrome c-type heme lyase is an enzyme that in humans is encoded by the HCCS gene on chromosome X. The protein encoded by this gene is an enzyme that covalently links a heme group to the apoprotein of cytochrome c. Defects in this gene are a cause of microphthalmia syndromic type 7 (MCOPS7). Three transcript variants encoding the same protein have been found for this gene.
Molecular Weight:	31 kDa
Gene ID:	3052
UniProt:	P53701

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Indrieri, A., Conte, I., Chesi, G., Romano, A., Quartararo, J., Tate, R., Ghezzi, D., Zeviani, M., Goffrini, P., Ferrero, I., Bovolenta, P., Franco, B. The impairment of HCCS leads to MLS syndrome by activating a non-canonical cell death pathway in the brain and eyes. EMBO Molec. Med. 5: 280-293, 2013. Note: Erratum: EMBO Molec. Med. 6: 849 only, 2014. 2. Morleo, M., Pramparo, T., Perone, L., Gregato, G., Le Caignec, C., Mueller, R. F., Ogata, T., Raas-Rothschild, A., de Blois, M. C., Wilson, L. C., Zaidman, G., Zuffardi, O., Ballabio, A., Franco, B. Microphthalmia with linear skin defects (MLS) syndrome: clinical, cytogenetic, and molecular characterization of 11 cases. Am. J. Med. Genet. 137A: 190-198, 2005. 3. Prakash, S. K., Cormier, T. A., McCall, A. E., Garcia, J. J., Sierra, R., Haupt, B., Zoghbi, H. Y., Van den Veyver, I. B. Loss of holocytochrome c-type synthetase causes the male lethality of X-linked dominant microphthalmia with linear skin defects (MLS) syndrome. Hum. Molec. Genet. 11: 3237-3248, 2002.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.