

Goat anti-C14orf68 Antibody

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| Item Number | dAP-1039 |
| Target Molecule | Principle Name: C14orf68; Official Symbol: C14orf68; All Names and Symbols: C14orf68; chromosome 14 open reading frame 68 ; HDMCP, HMFN1655 ; hepatocellular carcinoma-downregulated mitochondrial carrier protein; Accession Number (s): NP_997000.2; Human Gene ID(s): 283600; Non-Human GeneID(s): |
| Immunogen | RYGNPDAKPTKAD, is from internal region |
| Applications | Pep ELISA, IHC Species Tested: Human |
| Purification | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Supplied As | Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing. |
| Peptide ELISA | Peptide ELISA: antibody detection limit dilution 1 to 16000. |
| Western Blot | Western Blot: Preliminary experiments gave an approx 45kDa band in Human Liver lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 33.4k |
| IHC | Immunohistochemistry: In paraffin embedded Human Liver shows staining of nucleoli in select hepatocytes. Recommended concentration, 2.5µg/ml. |
| Reference | Reference(s): Tan MG, Ooi LL, Aw SE, Hui KM. Cloning and identification of hepatocellular carcinoma down-regulated mitochondrial carrier protein, a novel liver-specific uncoupling protein. J Biol Chem. 2004 Oct 22;279(43):45235-44. Epub 2004 Aug 18. PMID: 15322095 -> |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**