



# CHCHD4 rabbit pAb

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | YP-Ab-07889  |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human; Mouse;Rat   |
| <b>Applications</b>       | WB   |
| <b>Gene Name</b>          | CHCHD4 MIA40   |
| <b>Protein Name</b>       | CHCHD4   |
| <b>Immunogen</b>          | Synthesized peptide derived from human CHCHD4 AA range: 35-85  |
| <b>Specificity</b>        | This antibody detects endogenous levels of CHCHD4 at Human/Mouse/Rat   |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.03% sodium azide.  |
| <b>Source</b>             | Polyclonal, Rabbit,IgG   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  |
| <b>Dilution</b>           | WB 1:500-2000  |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           | Mitochondrial intermembrane space import and assembly protein 40 (Coiled-coil-helix-coiled-coil-helix domain-containing protein 4)   |
| <b>Observed Band</b>      | 22kD   |
| <b>Cell Pathway</b>       | Mitochondrion intermembrane space .  |
| <b>Tissue Specificity</b> | Expressed in all tissues tested, suggesting an ubiquitous expression.  |
| <b>Function</b>           | domain:The CHCH domain contains a conserved twin Cys-X(9)-Cys motif which is required for import and stability of MIA40 in mitochondria.,function:Required for the import and folding of small cysteine-containing proteins (small Tim) in the mitochondrial intermembrane space (IMS). Probably acts by forming a redox cycle with GFER/ERV1 that involves a disulfide relay system. Precursor proteins to be imported into the IMS are translocated in their reduced form into the mitochondria. The oxidized form of MIA40 forms a transient intermolecular disulfide bridge with the reduced precursor protein, resulting in oxidation of the precursor protein that now contains an intramolecular disulfide bond and is able to undergo folding in the IMS.,PTM:Forms intrachain disulfide bridges, but exists in different redox states.,similarity:Contains 1 CHCH domain.,subunit:Forms homooligomer.,tissue specificity:Ex |
| <b>Background</b>         | CHCHD4, a component of human mitochondria, belongs to a protein family whose members share 6 highly conserved cysteine residues constituting a   |



-CXC-CX(9)C-CX(9)C- motif in the C terminus (Hofmann et al., 2005 [PubMed 16185709]).[supplied by OMIM, Mar 2008],

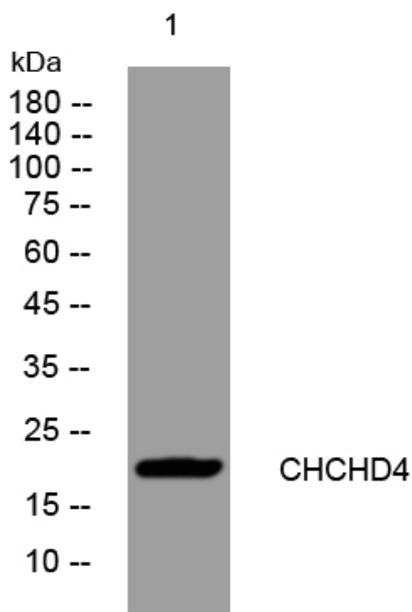
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western blot analysis of lysates from VEC cells, primary antibody was diluted at 1:1000, 4° over night