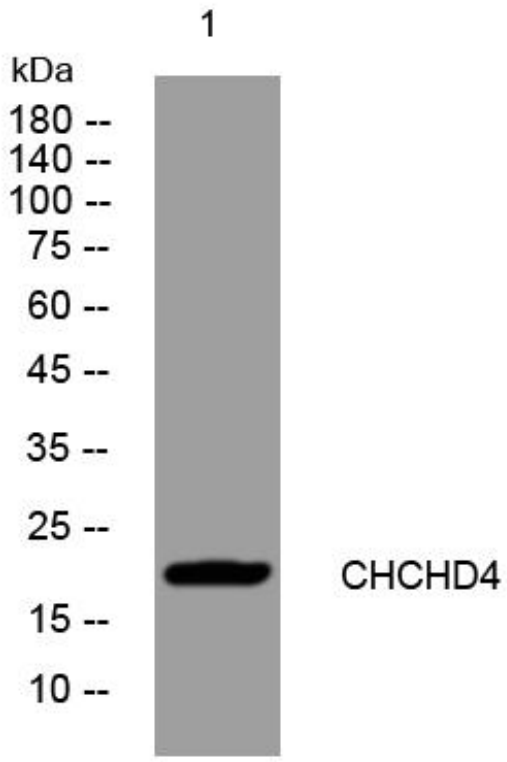
CHCHD4 mouse mAb

Catalog No	BYmab-07889
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	CHCHD4 MIA40
Protein Name	CHCHD4
Immunogen	Synthesized peptide derived from human CHCHD4 AA range: 35-85
Specificity	This antibody detects endogenous levels of CHCHD4 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.03% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Mitochondrial intermembrane space import and assembly protein 40 (Coiled-coil-helix-coiled-coil-helix domain-containing protein 4)
Observed Band	22kD
Cell Pathway	Mitochondrion intermembrane space .
Tissue Specificity	Expressed in all tissues tested, suggesting an ubiquitous expression.
Function	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
Background	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 various cells using CHCHD4 mouse mAb