

Rabbit anti-Human, Mouse CCDC8 Polyclonal Antibody | anti-CCDC8 antibody

CCDC8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327936	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

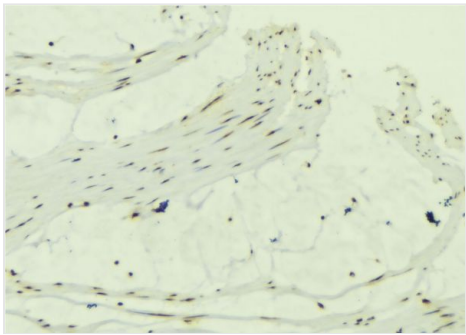
PRODUCT SYNONYMS

CCDC8; Polyclonal Antibody; CCDC8 Antibody; CCDC8_HUMAN; Coiled-coil domain-containing protein 8; DKFZp564K0322; ENSMUSG00000041117; MGC72567; anti-CCDC8 antibody

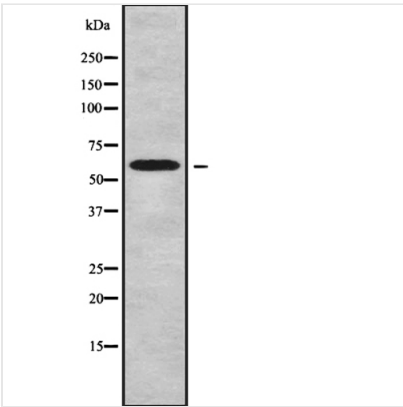
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CCDC8 antibody detects endogenous levels of total CCDC8
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	538
Applicable Applications for anti-CCDC8 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CCDC8
Subcellular Location	Cytoskeleton
Tissue Specificity	Widely expressed with low levels in spleen, skeletal muscle, small intestine, kidney and liver.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep
Similarity	Pig (100%), Bovine (83%), Horse (100%), Sheep (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327936 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of CCDC8 using HuvEc whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CCDC8 antibody	Function: Core component of the 3M complex, a complex required to regulate microtubule dynamics and genome integrity. It is unclear how the 3M complex regulates microtubules, it could act by controlling the level of a microtubule stabilizer (PubMed:24793695, PubMed:24793696). Required for localization of CUL7 to the centrosome (PubMed:24793695). Subunit Structure: Component of the 3M complex, composed of core components CUL7, CCDC8 and OBSL1 (PubMed:21737058, PubMed:24793695). Interacts (via PxLPxI/L motif) with ANKRA2 (via ankyrin repeats); may link the 3M complex to histone deacetylases including HDAC4 and HDAC5 (PubMed:25752541). Similarity: The PxLPxI/L motif mediates interaction with ankyrin repeats of ANKRA2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	199559779
NCBI GeneID	83987
NCBI Accession #	NP_114429.2
NCBI GenBank Nucleotide #	NM_032040.5
UniProt Accession #	Q9H0W5; Q8TB26
Molecular Weight	Observed: 59 kDa Predicted: 60 kDa
NCBI Official Full Name	coiled-coil domain-containing protein 8
NCBI Official Synonym Full Names	coiled-coil domain containing 8
NCBI Official Symbol	CCDC8
NCBI Official Synonym Symbols	3M3; p90; PPP1R20
NCBI Protein Information	coiled-coil domain-containing protein 8
UniProt Protein Name	Coiled-coil domain-containing protein 8
UniProt Gene Name	CCDC8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.