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CCDC8 Rabbit pAb

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Catalog # AP58890

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9H0W5
Reactivity	Human, Mouse
Predicted	Rat, Pig, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59374
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CCDC8
Epitope Specificity	165-270/538
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
DISEASE	Defects in CCDC8 are the cause of 3M syndrome type 3 (3M3) [MIM:614205]. A disorder characterized by poor postnatal growth and distinctive facial features, including triangular facies, frontal bossing, fleshy tipped nose, and fleshy lips. Other features may include skeletal anomalies and prominent heels.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a coiled-coil domain-containing protein. The encoded protein functions as a cofactor required for p53-mediated apoptosis following DNA damage, and may also play a role in growth through interactions with the cytoskeletal adaptor protein obscurin-like 1. Mutations in this gene are a cause of 3M syndrome-3 (3M3). [provided by RefSeq, Dec 2011].

Additional Information

Gene ID	83987
Other Names	Coiled-coil domain-containing protein 8, CCDC8
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

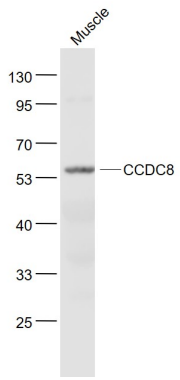
Protein Information

Name	CCDC8
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).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome
Tissue Location	Widely expressed with low levels in spleen, skeletal muscle, small intestine, kidney and liver

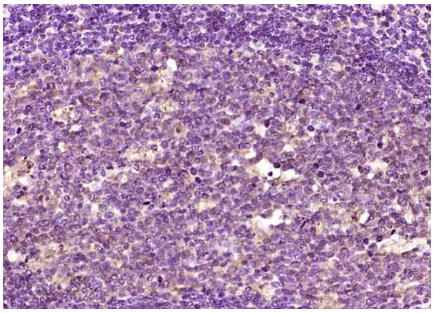
Background

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Images



Sample:
Muscle (Mouse) Lysate at 40 ug
Primary: Anti- CCDC8 (AP58890) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 59 kD
Observed band size: 59 kD



Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CCDC8) Polyclonal Antibody, Unconjugated (AP58890) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.