

anti- COMMD1 antibody

Product Information

Catalog No.:	FNab01850
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Proposed scaffold protein that is implicated in diverse physiological processes and whose function may be in part linked to its ability to regulate ubiquitination of specific cellular proteins. Can modulate activity of cullin-RING E3 ubiquitin ligase(CRL) complexes by displacing CAND1; in vitro promotes CRL E3 activity and dissociates CAND1 from CUL1 and CUL2(PubMed:21778237). Promotes ubiquitination of NF-kappa-B subunit RELA and its subsequent proteasomal degradation. Down-regulates NF-kappa-B activity(PubMed:15799966, PubMed:17183367, PubMed:20048074). Involved in the regulation of membrane expression and ubiquitination of SLC12A2(PubMed:23515529). Modulates Na(+) transport in epithelial cells by regulation of apical cell surface expression of amiloride-sensitive sodium channel(ENaC) subunits and by promoting their ubiquitination presumably involving NEDD4L. Promotes the localization of SCNN1D to recycling endosomes(PubMed:14645214, PubMed:20237237, PubMed:21741370). Promotes CFTR cell surface expression through regulation of its ubiquitination(PubMed:21483833). Down-regulates SOD1 activity by interfering with its homodimerization(PubMed:20595380). Plays a role in copper ion homeostasis. Involved in copper-dependent ATP7A trafficking between the trans-Golgi network and vesicles in the cell periphery; the function is proposed to depend on its association within the CCC complex and cooperation with the WASH complex on early endosomes(PubMed:25355947). Can bind one copper ion per monomer(PubMed:17309234). May function to facilitate biliary copper excretion within hepatocytes. Binds to phosphatidylinositol 4,5-bisphosphate(PtdIns(4,5)P2)(PubMed:18940794). Involved in the regulation of HIF1A-mediated

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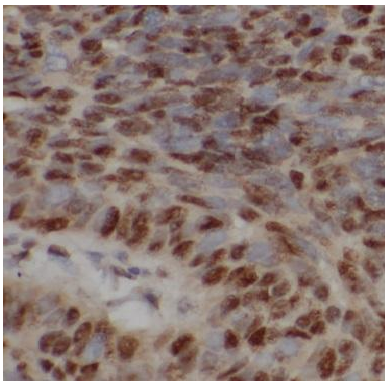
transcription; competes with ARNT/Hif-1-beta for binding to HIF1A resulting in decreased DNA binding and impaired transcriptional activation by HIF-1(PubMed:20458141).

Immunogen information

Immunogen: copper metabolism(Murr1) domain containing 1
Synonyms: C2orf5, MURR1
Observed MW: 21 kDa
UniprotID : Q8N668

Application

Reactivity: Human, Mouse, Rat
Tested Application: ELISA, WB, IHC, IP
Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200
Image:



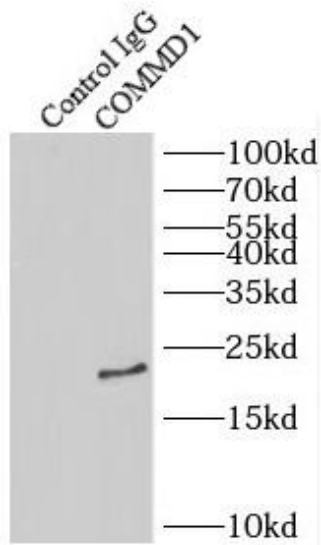
Immunohistochemistry of paraffin-embedded human liver cancer using FNab01850(COMMD1 antibody) at dilution of 1:50

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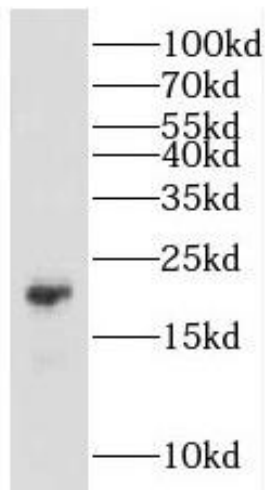
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IP Result of anti-COMMD1 (IP:FNab01850, 3ug;
Detection:FNab01850 1:500) with mouse brain
tissue lysate 5200ug.



human liver tissue were subjected to SDS PAGE
followed by western blot with
FNab01850(COMMD1 antibody) at dilution of
1:1000