

NOL3 antibody

Product Information

Catalog No.:	FNab05784
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

Isoform 1: May be involved in RNA splicing. Isoform 2: Functions as an apoptosis repressor that blocks multiple modes of cell death. Inhibits extrinsic apoptotic pathways through two different ways. Firstly by interacting with FAS and FADD upon FAS activation blocking death-inducing signaling complex(DISC) assembly(By similarity). Secondly by interacting with CASP8 in a mitochondria localization-and phosphorylation-dependent manner, limiting the amount of soluble CASP8 available for DISC-mediated activation(By similarity). Inhibits intrinsic apoptotic pathway in response to a wide range of stresses, through its interaction with BAX resulting in BAX inactivation, preventing mitochondrial dysfunction and release of pro-apoptotic factors(PubMed:15004034). Inhibits calcium-mediated cell death by functioning as a cytosolic calcium buffer, dissociating its interaction with CASP8 and maintaining calcium homeostasis(PubMed:15509781). Negatively regulates oxidative stress-induced apoptosis by phosphorylation-dependent suppression of the mitochondria-mediated intrinsic pathway, by blocking CASP2 activation and BAX translocation(By similarity). Negatively regulates hypoxia-induced apoptosis in part by inhibiting the release of cytochrome c from mitochondria in a caspase-independent manner(By similarity). Also inhibits TNF-induced necrosis by preventing TNF-signaling pathway through TNFRSF1A interaction abrogating the recruitment of RIPK1 to complex I(By similarity). Finally through its role as apoptosis repressor, promotes vascular remodeling through inhibition of apoptosis and stimulation of proliferation, in response to hypoxia(By similarity). Inhibits too myoblast differentiation through caspase inhibition(By similarity).

Immunogen information

Immunogen:	nucleolar protein 3(apoptosis repressor with CARD domain)
Synonyms:	Nucleolar protein 3 Apoptosis repressor with CARD Muscle-enriched cytoplasmic protein (Myp) Nucleolar protein of 30 kDa (Nop30) NOL3 ARC NOP
Observed MW:	30-33 kDa
Uniprot ID :	O60936

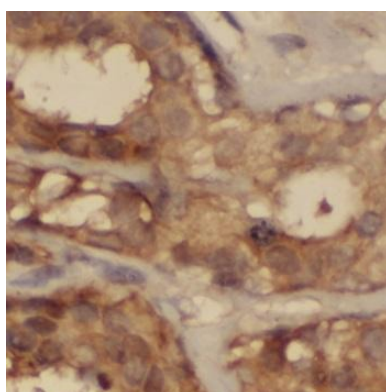
Application

Reactivity: Human, Mouse, Rat

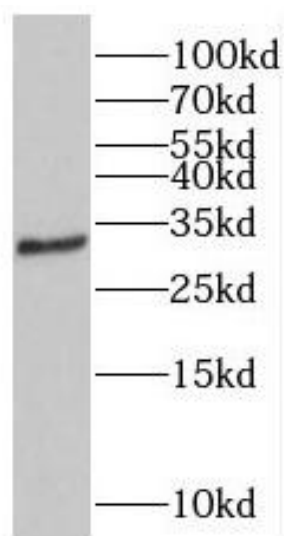
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human breast cancer using FNab05784(NOL3 antibody) at dilution of 1:100



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with FNab05784(NOL3 antibody) at dilution of 1:800