OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA503748

Nucleotide binding protein like (NUBPL) Mouse Monoclonal Antibody [Clone ID: OTI5C12]

Product data:

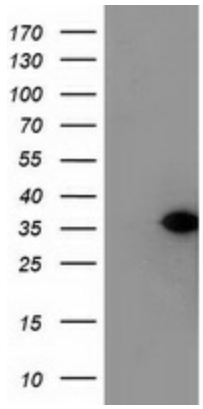
Product Type:	Primary Antibodies
Clone Name:	OTI5C12
Applications:	FC, WB
Recommended Dilution:	WB 1:2000, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-250 of human NUBPL(NP_079428) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.67 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33.9 kDa
Gene Name:	nucleotide binding protein like
Database Link:	NP_079428 Entrez Gene 76826 MouseEntrez Gene 299008 RatEntrez Gene 80224 Human Q8TB37

View online »

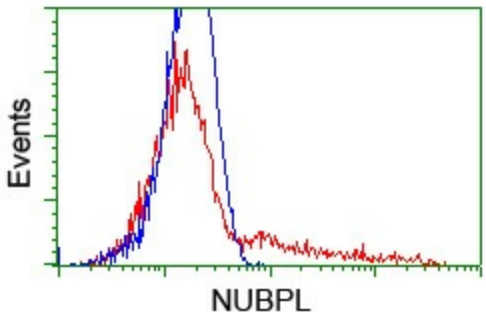
Background: This gene encodes a member of the Mrp/NBP35 ATP-binding proteins family. The encoded protein is required for the assembly of the respiratory chain NADH dehydrogenase (complex I), an oligomeric enzymatic complex located in the inner mitochondrial membrane. The respiratory complex I consists of 45 subunits and 8 iron-sulfur (Fe/S) clusters. This protein is an Fe/S protein that plays a critical role in the assembly of respiratory complex I, likely by transferring Fe/S into the Fe/S-containing complex I subunits. Mutations in this gene cause mitochondrial complex I deficiency. Alternatively spliced transcript variants encoding distinct isoforms have been identified.

Synonyms: C14orf127; huInd1; IND1

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NUBPL ([RC204385], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NUBPL. Positive lysates [LY410869] (100ug) and [LC410869] (20ug) can be purchased separately from OriGene.



HEK293T cells transfected with either [RC204385] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-NUBPL antibody (TA503748), and then analyzed by flow cytometry.