



C1D Monoclonal Antibody

Catalog No	BYmab-07056
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	C1D
Protein Name	Nuclear nucleic acid-binding protein C1D (hC1D)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	C1D Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	15kD
Cell Pathway	Nucleus . Cytoplasm . Nucleus, nucleolus . EXOSC10 is required for nucleolar localization (PubMed:17412707). Colocalizes with TSNAX in the nucleus (PubMed:11801738). .
Tissue Specificity	Ubiquitous. Expressed at very high levels in the hippocampus, medulla oblongata, mammary gland, thyroid and salivary gland. Expressed at high levels in the fetal; lung, liver and kidney. Expressed at low levels in skeletal muscle, appendix, heart, lung and colon.
Function	function:Plays a role in the recruitment of the exosome to pre-rRNA to mediate the 3'-5' end processing of the 5.8S rRNA. Forms a multi-subunit complex with MPP6 and EXOSC10 and this complex along with MTR4 is required for the 3'-5' end processing of the 5.8S rRNA. Can activate PRKDC not only in the presence of linear DNA but also in the presence of supercoiled DNA. Can induce apoptosis in a TP53/p53 dependent manner. May regulate the TRAX/TSN complex formation. Potentiates transcriptional repression by NR1D1 and THRB.,induction:By gamma-radiation.,PTM:Phosphorylated by PRKDC.,sequence

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caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the C1D family.,subcellular location:EXOSC10 is required for nucleolar localization.,subunit:Monomer and homodimer. Interacts with NR1D1, THRA, THRB, NCOR1 and NCOR2 (By similarity). Interacts with EXOSC10. Forms a heterotrimer

Background

The protein encoded by this gene is a DNA binding and apoptosis-inducing protein and is localized in the nucleus. It is also a Rac3-interacting protein which acts as a corepressor for the thyroid hormone receptor. This protein is thought to regulate TRAX/Translin complex formation. Alternate splicing results in multiple transcript variants that encode the same protein. Multiple pseudogenes of this gene are found on chromosome 10.[provided by RefSeq, Jun 2010],

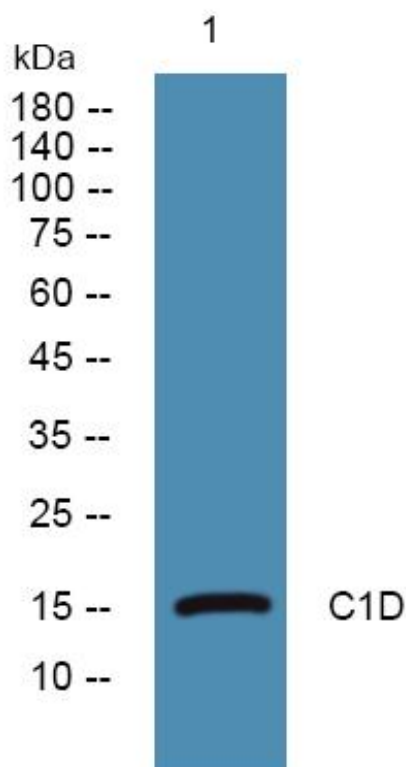
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using C1D Monoclonal Antibody