

For Research Use Only

NO66/C14orf169 Polyclonal antibody



Catalog Number: 22842-1-AP

Basic Information

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|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Catalog Number: 22842-1-AP | GenBank Accession Number: BC011350 | Purification Method: Antigen Affinity purified |
| Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 207 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 79697 | Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB |
| Source: Rabbit | Full Name: chromosome 14 open reading frame 169 | |
| Isotype: IgG | Calculated MW: 641 aa, 71 kDa | |
| Immunogen Catalog Number: AG18721 | Observed MW: 71 kDa | |

Applications

| | |
|----------------------------------------------|-------------------------------------------------------------------------|
| Tested Applications: IP, WB, ELISA | Positive Controls: WB : A431 cells, Jurkat cells, NCCIT cells |
| Species Specificity: human | IP : Jurkat cells, |

Background Information

NO66, also known as C14orf169 and MAPJD, is a JmjC domain-containing oxygenase that can act as both a histone lysine demethylase and a ribosomal histidine hydroxylase. NO66 is highly conserved during evolution and shows a dual localization pattern, present in both the nucleoplasm and nucleolus (PMID: 14742713). It has been reported that NO66 participates in regulation of Osx transcriptional activity and plays an important role in osteoblast differentiation through interaction with Osx (PMID: 19927124; 23620590). Through interaction with MYC protein, NO66 plays a role in pulmonary carcinogenesis (PMID: 17308053).

Storage

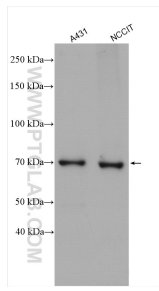
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

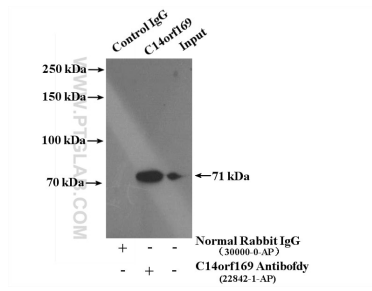
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22842-1-AP (NO66/C14orf169 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP Result of anti-NO66/C14orf169 (IP:22842-1-AP, 4ug; Detection:22842-1-AP 1:500) with Jurkat cells lysate 4000ug.