

LIN54 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57018**Specification****LIN54 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q6MZP7
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	80 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LIN54
Epitope Specificity	101-200/749
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Belongs to the lin-54 family. Contains 2 CXC domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

LIN54 is a component of the LIN, or DREAM, complex, an essential regulator of cell cycle genes (Schmit et al., 2009 [PubMed 19725879]).[supplied by OMIM, Dec 2010]

LIN54 Polyclonal Antibody - Additional Information

Gene ID 132660

Other Names

Protein lin-54 homolog, CXC domain-containing protein 1, LIN54, CXCDC1, KIAA2037

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
ICC ~ ~ N/A
E ~ ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

LIN54 Polyclonal Antibody - Protein Information

Name LIN54

Synonyms CXCDC1, KIAA2037

Function

Component of the DREAM complex, a multiprotein complex that can both act as a transcription activator or repressor depending on the context (PubMed:17531812, PubMed:17671431). In G0 phase, the complex binds to more than 800 promoters and is required for repression of E2F target genes (PubMed:17531812, PubMed:17671431). In S phase, the complex selectively binds to the promoters of G2/M genes whose products are required for mitosis and participates in their cell cycle dependent activation (PubMed:17531812, PubMed:17671431). In the complex, acts as a DNA-binding protein that binds the promoter of CDK1 in a sequence- specific manner (PubMed:19725879). Specifically recognizes the consensus motif 5'-TTYRAA-3' in target DNA (PubMed:27465258).

Cellular Location

Nucleus.

LIN54 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LIN54 Polyclonal Antibody - Images