

LIN54 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57018

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q6MZIP
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79494
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]

Additional Information

Gene ID	132660
Other Names	Protein lin-54 homolog, CXC domain-containing protein 1, LIN54, CXCDC1, KIAA2037
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 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.

Protein Information

Name	LIN54
-------------	-------

Synonyms	CXCDC1, KIAA2037
Function	<p>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).</p>
Cellular Location	Nucleus.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.