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LIN54 Rabbit pAb

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Catalog # AP57018

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q6MZP7
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Sheep
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.
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/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	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.

Background

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