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ZNF568 Rabbit pAb

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Catalog # AP54781

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q3ZCX4
Predicted	Human, Chicken, Horse, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74369
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from Human ZNF568
Epitope Specificity	451-560/644
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	Nuclear.
SIMILARITY	Belongs to the krueppel C2H2-type zinc-finger protein family. Contains 15 C2H2-type zinc fingers. Contains 1 KRAB domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc-finger proteins contain a Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. Zinc finger protein 568 (ZNF568) is a 644 amino acid member of the Krüppel C2H2-type zinc-finger protein family. Localized to the nucleus, ZNF568 contains fifteen C2H2-type zinc fingers and one KRAB domain through which it is thought to be involved in DNA-binding and transcriptional regulation. Two isoforms of ZNF568 exist as a result of alternative splicing events.

Additional Information

Gene ID	374900
Other Names	Zinc finger protein 568, ZNF568
Dilution	WB=1:500-2000,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	ZNF568
Function	Has transcriptional repression activity, partially through the recruitment of the corepressor TRIM28 but also has repression activity independently of this interaction. Essential during embryonic development, where it acts as a direct repressor of a placental- specific transcript of IGF2 in early development and regulates convergent extension movements required for axis elongation and tissue morphogenesis in all germ layers. Also important for normal morphogenesis of extraembryonic tissues including the yolk sac, extraembryonic mesoderm and placenta. May enhance proliferation or maintenance of neural stem cells.
Cellular Location	Nucleus {ECO:0000250|UniProtKB:E9PYI1}.

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