

Zinc finger protein 445 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58654

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	P59923
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	118963

Additional Information

Gene ID	353274
Other Names	Zinc finger protein 445, ZFP445, Zinc finger protein 168, Zinc finger protein with KRAB and SCAN domains 15, ZNF445 (HGNC:21018)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=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	ZNF445 (HGNC:21018)
Function	Transcription regulator required to maintain maternal and paternal gene imprinting, a process by which gene expression is restricted in a parent of origin-specific manner by epigenetic modification of genomic DNA and chromatin, including DNA methylation. Acts by controlling DNA methylation during the earliest multicellular stages of development at multiple imprinting control regions (ICRs) (PubMed: 30602440). Acts together with ZFP57, but seems to be the major factor in human early embryonic imprinting maintenance. In contrast, in mice, ZFP57 plays the predominant role in imprinting maintenance (PubMed: 30602440).
Cellular Location	Nucleus. Note=Binds various differentially methylated regions (DMR)

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