

ZNF445 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI10297

Product Information

Application	WB
Primary Accession	P59923
Other Accession	NM_181489 , NP_852466
Reactivity	Human, Mouse, Rat, Pig, Dog, Horse, Bovine
Predicted	Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	118963

Additional Information

Gene ID	353274
Alias Symbol	MGC126535, ZKSCAN15, ZNF168
Other Names	Zinc finger protein 445, Zinc finger protein 168, Zinc finger protein with KRAB and SCAN domains 15, ZNF445, ZKSCAN15, ZNF168
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-ZNF445 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	ZNF445 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

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)

References

Luo,K., Gene 367, 89-100 (2006)Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images

