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ZNF445 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10297

Specification

ZNF445 antibody - middle region - Product Information

Application	**WB**
Primary Accession	P59923
Other Accession	NM_181489, NP_852466
Reactivity	**Human, Mouse, Rat, Pig, Horse, Bovine, Dog**
Predicted	**Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**119kDa KDa**

ZNF445 antibody - middle region - 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.

ZNF445 antibody - middle region - 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)

ZNF445 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture