10320 Camino Santa Fe, Suite G
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ZNF828 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59303

Specification

ZNF828 Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q96JM3
Reactivity	**Rat, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**89 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human ZNF828/C13orf8**
Epitope Specificity	**621-720/812**
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. Chromosome. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle.**
SIMILARITY	**Contains 1 C2H2-type zinc finger.**
SUBUNIT	**Interacts with MAD2L2. Interacts with POGZ, CBX1, CBX3 and CBX5.**
Post-translational modifications	**Phosphorylated by CDK1. Mitotic phosphorylation is required for the attachment of spindle microtubules to the kinetochore.**
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. ZNF828, is a 812 amino acid protein that contains one C2H2-type zinc finger and is localized to the cytoplasm and the nucleus. The gene encoding ZNF828 maps to chromosome 13. Comprising nearly 4% of the human genome, chromosome 13 contains around 114 million base pairs and encodes over 400 genes. Chromosome 13 houses key tumor suppressor genes, including BRCA2 and RB1, which are associated with breast cancer susceptibility and retinoblastoma, respectively. Trisomy 13, also known as Patau syndrome, is deadly and the few who survive past one year suffer from permanent neurologic defects, difficulty eating and vulnerability to serious respiratory infections.

ZNF828 Polyclonal Antibody - Additional Information

Gene ID 283489

Other Names
Chromosome alignment-maintaining phosphoprotein 1, Zinc finger protein 828, CHAMP1, C13orf8, CAMP, CHAMP, KIAA1802, ZNF828

Dilution
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ 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 ℃.

ZNF828 Polyclonal Antibody - Protein Information

Name CHAMP1

Synonyms C13orf8, CAMP, CHAMP, KIAA1802, ZNF828

Function
Required for proper alignment of chromosomes at metaphase and their accurate segregation during mitosis. Involved in the maintenance of spindle microtubules attachment to the kinetochore during sister chromatid biorientation. May recruit CENPE and CENPF to the kinetochore.

Cellular Location
Nucleus. Chromosome. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle

ZNF828 Polyclonal Antibody - 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

ZNF828 Polyclonal Antibody - Images

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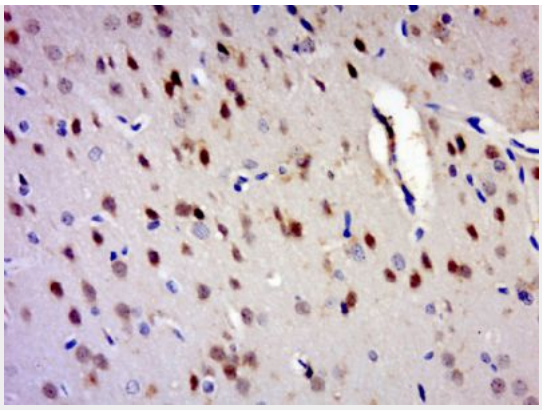
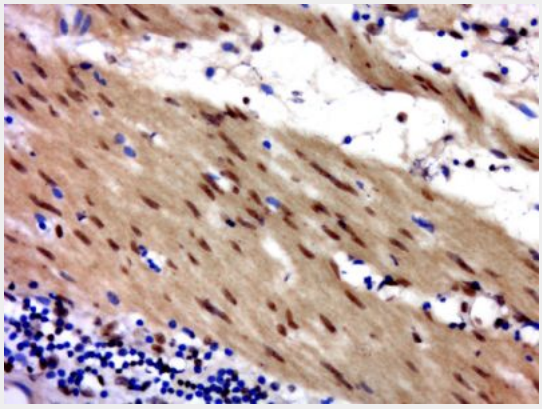


Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ZNF828) Polyclonal Antibody, Unconjugated (bs-9607R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human cervical cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ZNF828) Polyclonal Antibody, Unconjugated (bs-9607R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.