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ANKRD28 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58799

Specification

ANKRD28 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	O15084
Reactivity	**Rat, Pig, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**113 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human ANKRD28**
Epitope Specificity	**430-530/1053**
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, nucleoplasm. Note=Seems to be excluded from nucleoli.**
SIMILARITY	**Contains 27 ANK repeats.**
SUBUNIT	**Protein phosphatase 6 (PP6) holoenzyme is proposed to be a heterotrimeric complex formed by the catalytic subunit, a SAPS domain-containing subunit (PP6R) and an ankyrin repeat-domain containing regulatory subunit (ARS). Interacts with PPP1C and HNRPK. Interacts with PPP6C, PPP6R1 and PPP6R3.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
ANKRD28 selectively inhibits the phosphatase activity of PPP1C and targets PPP1C to modulate HNRPK phosphorylation. It contains twenty seven ANK repeats. There are two named isoforms.

ANKRD28 Polyclonal Antibody - Additional Information

Gene ID 23243

Other Names
Serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A, PP6-ARS-A, Serine/threonine-protein phosphatase 6 regulatory subunit ARS-A, Ankyrin repeat domain-containing protein 28, Phosphatase interactor targeting protein hnRNP K, PITK, ANKRD28, KIAA0379

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<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 ℃.

ANKRD28 Polyclonal Antibody - Protein Information

Name ANKRD28 (HGNC:29024)

Synonyms KIAA0379

Function
Regulatory subunit of protein phosphatase 6 (PP6) that may be involved in the recognition of phosphoprotein substrates. Involved in the PP6-mediated dephosphorylation of NFKBIE opposing its degradation in response to TNF-alpha. Selectively inhibits the phosphatase activity of PPP1C. Targets PPP1C to modulate HNRPK phosphorylation. Involved in the PP6-mediated dephosphorylation of MOB1 and induced focal adhesion assembly during cell migration (PubMed:35512830).

Cellular Location
Nucleus, nucleoplasm. Cytoplasm, cytosol. Cell projection, lamellipodium. Note=Seems to be excluded from nucleoli Mostly localized in the cytosol, but a fraction could be observed at the lamellipodia (PubMed:35512830).

ANKRD28 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

ANKRD28 Polyclonal Antibody - Images

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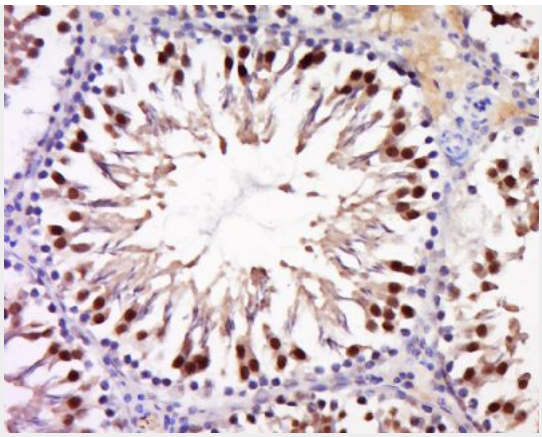
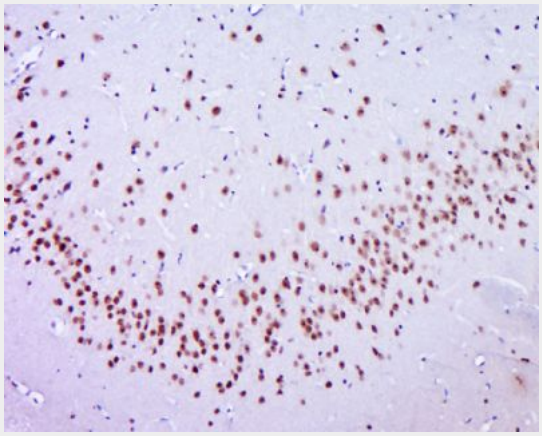


Tissue/cell: Rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-ANKRD28 Polyclonal Antibody, Unconjugated(bs-7926R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-ANKRD28 Polyclonal Antibody, Unconjugated(bs-7926R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining