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Inversin Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54852

Specification

Inversin Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q9Y283
Reactivity	**Rat, Chimpanzee, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**117826**

Inversin Polyclonal Antibody - Additional Information

Gene ID 27130

Other Names
Inversin, Inversion of embryo turning homolog, Nephrocystin-2, INVS, INV, NPHP2

Dilution
WB~~1:1000<br \>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 ℃.

Inversin Polyclonal Antibody - Protein Information

Name INVS

Synonyms INV, NPHP2

Function
Required for normal renal development and establishment of left-right axis. Probably acts as a molecular switch between different Wnt signaling pathways. Inhibits the canonical Wnt pathway by targeting cytoplasmic disheveled (DVL1) for degradation by the ubiquitin- proteasome. This suggests that it is required in renal development to oppose the repression of terminal differentiation of tubular epithelial cells by Wnt signaling. Involved in the organization of apical junctions in kidney cells together with NPHP1, NPHP4 and RPGRIP1L/NPHP8 (By similarity). Does not seem to be strictly required for ciliogenesis (By similarity).

Cellular Location
Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, spindle. Membrane; Peripheral membrane protein. Nucleus. Cell projection, cilium Note=Associates with several components of the cytoskeleton including ciliary, random and polarized microtubules. During mitosis, it is recruited to mitotic spindle. Frequently membrane-associated, membrane localization is dependent upon cell-cell contacts and is redistributed when cell adhesion is disrupted after incubation of the cell monolayer with low-calcium/EGTA medium

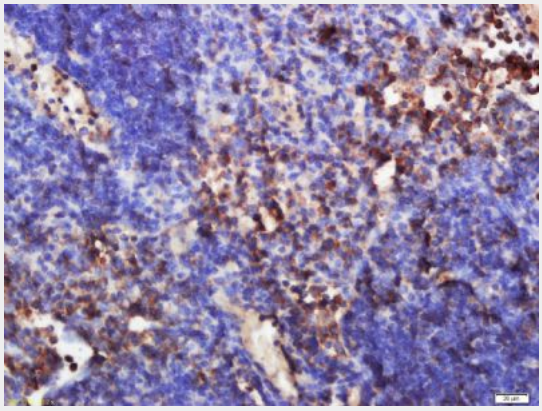
Tissue Location
Widely expressed. Strongly expressed in the primary cilia of renal tubular cells.

Inversin 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

Inversin Polyclonal Antibody - Images



Tissue/cell: mouse lymph nodes; 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-Inversin Polyclonal Antibody, Unconjugated(bs-12437R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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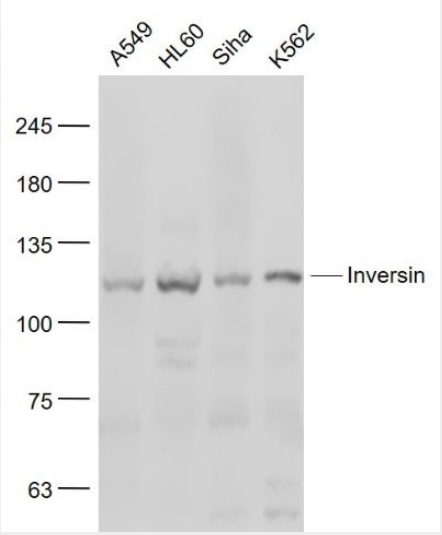

Sample:
A549(Human) Cell Lysate at 30 ug
HL60(Human) Cell Lysate at 30 ug
Siha(Human) Cell Lysate at 30 ug
K562(Human) Cell Lysate at 30 ug
Primary: Anti- Inversin (bs-12437R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 118 kD
Observed band size: 118 kD