

Rabbit INVS Polyclonal Antibody | anti-INVS antibody

INVS Antibody

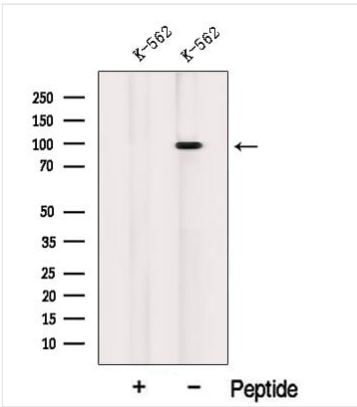
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328676	Rabbit	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Sheep, Rabbit, Dog, Chicken	Western Blot

PRODUCT SYNONYMS

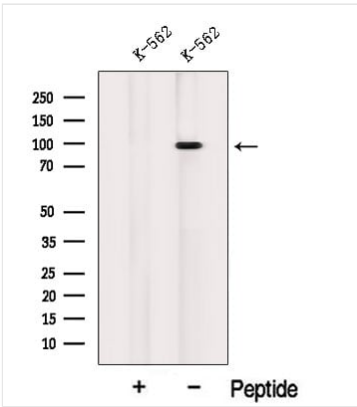
INVS; Polyclonal Antibody; INVS Antibody; INV; Inversion of embryo turning homolog; inversion of embryonic turning; Nephrocystin 2; Nephrocystin-2; Nephrocystin2; nephronophthisis 2 (infantile); NPH2; NPHP2; anti-INVS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Sheep, Rabbit, Dog, Chicken
Clonality	Polyclonal
Isotype	IgG
Specificity	INVS Antibody detects endogenous levels of INVS.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1065
Applicable Applications for anti-INVS antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human INVS.
Tissue Specificity	Widely expressed. Strongly expressed in the primary cilia of renal tubular cells.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Nucleus; Cytoskeleton
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from K-562 cells, using INVS Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from HeLa, using INVS Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-INVS antibody	Description: 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).
	Post Translational Modifications: May be ubiquitinated via its interaction with APC2. Hydroxylated at Asn-75, most probably by HIF1AN.
	Subunit Structure: Binds calmodulin via its IQ domains. Interacts with APC2. Interacts with alpha-, beta-, and gamma-catenin. Interacts with N-cadherin (CDH2). Interacts with microtubules (By similarity). Interacts with NPHP1. Interacts with DVL1, PRICKLE (PRICKLE1 or PRICKLE2) and Strabismus (VANGL1 or VANGL2). Interacts with IQCB1; the interaction likely requires additional interactors. Component of a complex containing at least ANKS6, INVS, NEK8 and NPHP3. ANKS6 may organize complex assembly by linking INVS and NPHP3 to NEK8 and INVS may target the complex to the proximal ciliary axoneme.
	Similarity: The D-box 1 (destruction box 1) mediates the interaction with APC2, and may act as a recognition signal for degradation via the ubiquitin-proteasome pathway.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34304381
NCBI GeneID	27130
NCBI Accession #	NP_055240.2
NCBI GenBank Nucleotide #	NP_055240.2
UniProt Accession #	Q9Y283
Molecular Weight	Observed: 97 kDa Predicted: 118 kDa
NCBI Official Full Name	inversin isoform a
NCBI Official Synonym Full Names	inversin
NCBI Official Symbol	INVS
NCBI Official Synonym Symbols	INV; NPH2; NPHP2

NCBI Protein Information	inversin
UniProt Protein Name	Inversin
UniProt Gene Name	INVS
UniProt Synonym Gene Names	INV; NPHP2
UniProt Entry Name	INVS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/invs-antibody-western-blot-elisa/328676>