

## Rabbit IFT172 Polyclonal Antibody | anti-IFT172 antibody

IFT172 antibody - N-terminal region

| CATALOG # | HOST   | REACTIVITY                                                                                                                          | APPLICATIONS |
|-----------|--------|-------------------------------------------------------------------------------------------------------------------------------------|--------------|
| AAA200166 | Rabbit | Tested Species Reactivity: Human<br>Predicted Species Reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish | Western Blot |

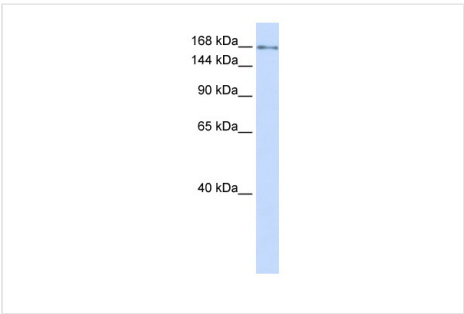
### PRODUCT SYNONYMS

IFT172; Polyclonal Antibody; IFT172 antibody - N-terminal region; SLB; wim; RP71; BBS20; osm-1; NPHP17; SRTD10; anti-IFT172 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                       |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                |
| Reactivity                                       | Tested Species Reactivity: Human<br>Predicted Species Reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish                   |
| Clonality                                        | Polyclonal                                                                                                                                            |
| Purity/Purification                              | Affinity Purified                                                                                                                                     |
| Form/Format                                      | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Concentration                                    | 0.5 mg/mL (varies by lot)                                                                                                                             |
| Sequence                                         | Synthetic peptide with the following sequence: VK ILGKERYLVA HTSETLLGLD LNTNRLSEIA WQGSGGNEKY FFENENVC                                                |
| Sequence Length                                  | 1749                                                                                                                                                  |
| Applicable Applications for anti-IFT172 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                         | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 93%                                |
| Immunogen                                        | The immunogen is a synthetic peptide directed towards the N terminal region of human IFT172                                                           |
| Protein Size (#AA)                               | 1749 amino acids                                                                                                                                      |
| Protein Interactions                             | UBC; LHX4; LHX3;                                                                                                                                      |
| Blocking Peptide                                 | For anti-IFT172 antibody is Catalog #                                                                                                                 |
| Preparation and Storage                          | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

IMAGES



**WB (Western Blot)**  
WB Suggested Anti-IFT172 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:312500Positive  
Control: Human Lung

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-IFT172 antibody | <p>This is a rabbit polyclonal antibody against IFT172. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: IFT172 is required for the maintenance and formation of cilia. IT plays an indirect role in hedgehog (Hh) signaling, cilia being required for all activity of the hedgehog pathway.</p> |
| Product Categories/Family for anti-IFT172 antibody   | Polyclonal; Various                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 46358428                                     |
| NCBI GeneID                      | 26160                                        |
| NCBI Accession #                 | NP_056477                                    |
| NCBI GenBank Nucleotide #        | NM_015662                                    |
| UniProt Accession #              | Q9UG01                                       |
| Molecular Weight                 | 197kDa                                       |
| NCBI Official Full Name          | intraflagellar transport protein 172 homolog |
| NCBI Official Synonym Full Names | intraflagellar transport 172                 |
| NCBI Official Symbol             | IFT172                                       |
| NCBI Official Synonym Symbols    | SLB; wim; RP71; BBS20; osm-1; NPHP17; SRTD10 |
| NCBI Protein Information         | intraflagellar transport protein 172 homolog |
| UniProt Protein Name             | Intraflagellar transport protein 172 homolog |
| UniProt Gene Name                | IFT172                                       |
| UniProt Synonym Gene Names       | KIAA1179                                     |
| UniProt Entry Name               | IF172_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.