# TEKT2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | TEKT2, Polyclonal Antibody |
| **Full Product Name** | TEKT2 Polyclonal Antibody |
| **Product Gene Name** | anti-TEKT2 antibody |
| **Product Synonym Names** | h-tektin-t; TEKTB1; TEKTIN-T |
| **Immunogen Sequence** | MATLSVKPSR RFQLPDWHTN SYLLSTNAQL QRDASHQIRQ EARVLRNETN NQTIWDEHDN RTRLVERIDT VNRWKEMLDK CLTDLDAEID ALTQMKESAE QNLQAKNLPL DVAIECLTLR ESRRDIDVVK DPVEDELHKE VEVIEATKKA LQQKVSQAFE QLCLLQEVQQ QLNSDHRGKM ETLEIDRGCL SLNLRSPNIS LKVDPTRVPD GSTTLQQWDD FSRFNKDRAE AEMKAATELR EATALTIAET NNELE |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse, Rat |
| **Purity/Purification** | Affinity Purification |
| **Preparation and Storage** | Store at -20 degree C. Avoid freeze / thaw cycles. |
| **Molecular Weight** | 49kDa |
| **OMIM** | AF054910 mRNA |
| **3D Structure** | ModBase 3D Structure for Q9UIF3 |
| **Immunogen** | Recombinant protein of human TEKT2 |
| **Immunogen Species** | Human |
| **Storage Buffer** | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| **Cellular Location** | Cell projection, Cytoplasm, cilium, cilium axoneme, cytoskeleton, flagellum, flagellum axoneme |
| **Product Categories/Family for anti-TEKT2 antibody** | Polyclonal Antibodies |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-TEKT2 antibody** | Western Blot (WB) |
| **Application Notes for anti-TEKT2 antibody** | WB: 1:500 - 1:2000 |
| **Related Product Information for anti-TEKT2 antibody** | This gene product belongs to the tektin family of proteins. Tektins comprise a family of filament-forming proteins that are coassembled with tubulins to form ciliary and flagellar microtubules. This gene is expressed in the testis and its protein is localized to the flagella of the sperms, indicating that it may play a role in spermatogenesis. |
| **Other Notes** | Small volumes of anti-TEKT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for TEKT2 purchase** | MBS9134403 is an antibody targeting TEKT2. Also known as TEKT2 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TEKT2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 16507950 |
| **NCBI GeneID** | 27285 |
| **NCBI Accession #** | NP_055281.2 |
| **UniProt Primary Accession #** | Q9UIF3 |
| **UniProt Secondary Accession #** | O60638; A6NIS6 |
| **UniProt Related Accession #** | Q9UIF3 |
| **GenBank Nucleotide #** | NM_014466.2 |
| **NCBI Official Full Name** | tektin-2 |
| **NCBI Official Synonym Full Names** | tektin 2 |
| **NCBI Official Symbol** | TEKT2 |
| **NCBI Official Synonym Symbols** | TEKTB1; TEKTIN-T; h-tektin-t |
| **UniProt Protein Name** | Tektin-2 |
| **UniProt Synonym Protein Names** | Tektin-t; Testicular tektin; Testicular tektin B1-like protein; TEKTB1; Tektin-B1 |
| **Protein Family** | Tektin |
| **UniProt Gene Name** | TEKT2 |
| **UniProt Synonym Gene Names** | TEKTB1; Tektin-B1 |
| **NCBI Protein Information** | tektin-2 |
| **UniProt Comments for TEKT2** | Structural component of ciliary and flagellar microtubules. Plays a key role in the assembly or attachment of the inner dynein arm to microtubules in sperm flagella and tracheal cilia. Forms filamentous polymers in the walls of ciliary and flagellar microtubules. |
| **Research Articles on TEKT2** | **1.** These results suggested that tektin-t variants (Arg/Cys + Cys/Cys) were probably one of the high risk genetic factors for idiopathic asthenozoospermia among males in Sichuan, China, while the R207H polymorphism may be associated with idiopathic asthenozoospermia risk. |
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