

## Rabbit Crystallin Alpha B Polyclonal Antibody | anti-CRYaB antibody

Polyclonal Antibody to Crystallin Alpha B (CRYaB)

| CATALOG # | HOST   | REACTIVITY             | APPLICATIONS                                                   |
|-----------|--------|------------------------|----------------------------------------------------------------|
| AAA20938  | Rabbit | Human, Mouse, Rat, Pig | Western Blot, Immunocytochemistry, Immunohistochemistry, ELISA |

### PRODUCT SYNONYMS

Crystallin Alpha B; Polyclonal Antibody; Polyclonal Antibody to Crystallin Alpha B (CRYaB); anti-CRYaB antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                           |
| Reactivity                                      | Human, Mouse, Rat, Pig                                                                                                                                                                                                                                                                                                           |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                       |
| Specificity                                     | The antibody is a rabbit polyclonal antibody raised against CRYaB. It has been selected for its ability to recognize CRYaB in immunohistochemical staining and western blotting.                                                                                                                                                 |
| Purity/Purification                             | Affinity Chromatography                                                                                                                                                                                                                                                                                                          |
| Form/Format                                     | Liquid                                                                                                                                                                                                                                                                                                                           |
| Concentration                                   | 500ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                         |
| Sequence                                        | Antigen: The target protein is fused with a C-terminal tag. His-tag and T7-tag and its sequence is listed below.<br>MGSSH HHHHHSSGLV PRGSHMASMT GGQMGGRGSE F-MDIAIHHP WIRRPFFPFH SPSRLFDQFF<br>GEHLLESDLF PTSTSLSPFY LRPPSFLRAP SWFDTGLSEM RLEKDRFSVN LDVKHFSPEE LKVKVLGDVI<br>EVHGKHEERQ DEHGFISREF HRKYRIPADV DPLTITSSLS SD    |
| Applicable Applications for anti-CRYaB antibody | WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                                  |
| Application Notes                               | Western blotting: 0.5-2ug/ml<br>Immunocytochemistry in formalin fixed cells: 5-20ug/ml<br>Immunohistochemistry in formalin fixed frozen section: 5-20ug/ml<br>Immunohistochemistry in paraffin section: 5-20ug/ml<br>Enzyme-linked Immunosorbent Assay: 0.05-2ug/ml<br>Optimal working dilutions must be determined by end user. |
| Fragment                                        | CRYaB (Met1~Lys175)                                                                                                                                                                                                                                                                                                              |
| Organism Species                                | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                             |
| Cross Reactivity                                | Human, Mouse, Pig                                                                                                                                                                                                                                                                                                                |
| Conjugate                                       | No Conjugate                                                                                                                                                                                                                                                                                                                     |
| Immunogen                                       | Recombinant CRYaB (Met1~Lys175) expressed in E. coli.                                                                                                                                                                                                                                                                            |
| Preparation and Storage                         | Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.                                                                                                                                    |

IMAGES



**IHC (Immunohistochemistry)**  
DAB staining on IHC-P; Samples: Human Glioma Tissue



**IHC (Immunohistochemistry)**  
DAB staining on IHC-P; Samples: Human Brain Tissue



**IHC (Immunohistochemistry)**  
DAB staining on IHC-P; Samples: Human Kidney Tissue.



**WB (Western Blot)**  
Western Blot: Sample: Recombinant CRYaB, Human.



**WB (Western Blot)**  
Western Blot: Sample: Porcine Cerebrum lysate; Primary Ab: 3ug/ml Rabbit Anti-Human CRYaB Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



**WB (Western Blot)**  
Western Blot: Lane1: Mouse Brain Tissue; Lane2: Mouse Heart Tissue; Lane3: Porcine Brain Tissue.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 577019571                                                      |
| NCBI GeneID                      | 1410                                                           |
| NCBI Accession #                 | NP_001276736.1                                                 |
| NCBI GenBank Nucleotide #        | NM_001289807.1                                                 |
| UniProt Accession #              | P02511; O43416; Q9UC37; Q9UC38; Q9UC39; Q9UC40; Q9UC41; B0YIX0 |
| Molecular Weight                 | 20,159 Da                                                      |
| NCBI Official Full Name          | alpha-crystallin B chain isoform 1                             |
| NCBI Official Synonym Full Names | crystallin alpha B                                             |
| NCBI Official Symbol             | CRYAB                                                          |
| NCBI Official Synonym Symbols    | MFM2; CRYA2; CTPP2; HSPB5; CMD1II; CTRCT16; HEL-S-101          |
| NCBI Protein Information         | alpha-crystallin B chain                                       |
| UniProt Protein Name             | Alpha-crystallin B chain                                       |
| UniProt Gene Name                | CRYAB                                                          |
| UniProt Synonym Gene Names       | CRYA2; HSPB5; HspB5                                            |

**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.