# SIX3 Polyclonal Antibody

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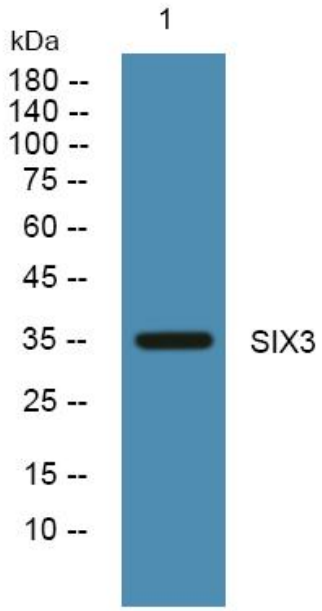
|---|---|
| **Catalog No** | YP-Ab-05667 |
| **Isotype** | IgG |
| **Reactivity** | Human;Mouse |
| **Applications** | WB;ELISA |
| **Gene Name** | SIX3 |
| **Protein Name** | Homeobox protein SIX3 (Sine oculis homeobox homolog 3) |
| **Immunogen** | Synthesized peptide derived from part region of human protein |
| **Specificity** | SIX3 Polyclonal Antibody detects endogenous levels of protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| **Source** | Polyclonal, Rabbit,IgG |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | WB 1:500-2000 ELISA 1:5000-20000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | |
| **Observed Band** | 36kD |
| **Cell Pathway** | Nucleus . |
| **Tissue Specificity** | Retina, |
| **Function** | disease:Defects in SIX3 are the cause of holoprosencephaly type 2 (HPE2) [MIM:157170]. Holoprosencephaly (HPE) [MIM:236100] is the most common structural anomaly of the brain, in which the developing forebrain fails to correctly separate into right and left hemispheres. Holoprosencephaly is genetically heterogeneous and associated with several distinct facies and phenotypic variability.,function:May be involved in visual system development.,similarity:Belongs to the SIX/Sine oculis homeobox family.,similarity:Contains 1 homeobox DNA-binding domain., |
| **Background** | This gene encodes a member of the sine oculis homeobox transcription factor family. The encoded protein plays a role in eye development. Mutations in this gene have been associated with holoprosencephaly type 2. [provided by RefSeq, Oct 2009], |
| **matters needing attention** | Avoid repeated freezing and thawing! |

**Usage suggestions** This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images




Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4°over night