Six3/6 (D228) polyclonal antibody

Catalog: BCP01520 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The SIX proteins (sine oculis) are a family of homeodomain transcription factors that share a conserved DNA binding domain. Two of these family members Six3 and Six6 (also designated Optx2 and Six9) are required for the specification and proliferation of the eye field in vertebrates, and, therefore, are the vertebrate homologues most closely related to the Drosophila sine oculis protein, which has an essential role in controlling compound eye development. Six3 and Six6 expression largely overlap during development of specific tissues, such as retina, hypothalamus, and pituitary. Deletion of Six3 may be associated with HPE2 disorder, a common, severe malformation of the brain that results from incomplete cleavage of the forebrain during early embryogenesis.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 28 kDa (Six6); 35 kDa (Six3)

Swiss-Prot:

O95343/O95475

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IF: 1:50~1:200

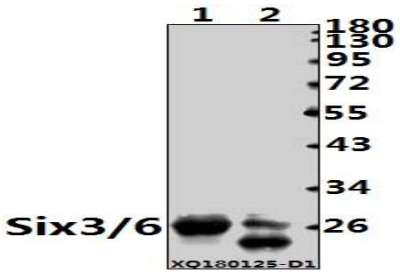
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Six3/6 (D228) polyclonal antibody detects endogenous levels of Six3 protein (35 KDa), and also detects Six6 protein (28 KDa).

DATA:



Western blot (WB) analysis of Six3/6 (D228) pAb at 1:500 dilution

Lane1:The Eye tissue lysate of Mouse (10ug)

Lane2:The Eye tissue lysate of Rat(5ug)

Note:

For research use only, not for use in diagnostic procedure.

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