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SIX6 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17798c

Specification

SIX6 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	O95475
Other Accession	Q9QZ28, O93307, Q62233, O95343, O42406, NP_031400.2
Reactivity	**Human, Mouse**
Predicted	**Chicken**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**27687**
Antigen Region	**96-124**

SIX6 Antibody (Center) - Additional Information

Gene ID 4990

Other Names
Homeobox protein SIX6, Homeodomain protein OPTX2, Optic homeobox 2, Sine oculis homeobox homolog 6, SIX6, OPTX2, SIX9

Target/Specificity
This SIX6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-124 amino acids from the Central region of human SIX6.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SIX6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SIX6 Antibody (Center) - Protein Information

Name SIX6

Synonyms OPTX2, SIX9

Function May be involved in eye development.

Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

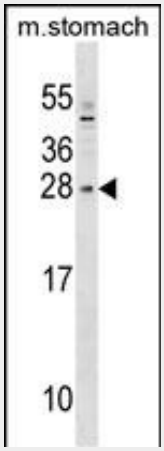
Tissue Location
Expressed in the developing and adult retina. Also expressed in the hypothalamic and the pituitary regions

SIX6 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SIX6 Antibody (Center) - Images



SIX6 Antibody (Center) (Cat. #AP17798c) western blot analysis in mouse stomach tissue lysates (35ug/lane).This demonstrates the SIX6 antibody detected the SIX6 protein (arrow).

SIX6 Antibody (Center) - Background

The protein encoded by this gene is a homeobox protein that is similar to the Drosophila 'sine oculis' gene product. This gene is found in a cluster of related genes on chromosome 14 and is thought to be involved in eye development. Defects in this gene are a cause of isolated microphthalmia with cataract type 2 (MCOPCT2).

SIX6 Antibody (Center) - References

Zhang, X., et al. Mol. Vis. 15, 2911-2918 (2009) :

Ou, Z., et al. Am. J. Med. Genet. A 146A (19), 2480-2489 (2008) :
Hu, S., et al. Biochemistry 47(11):3586-3594(2008)
Aijaz, S., et al. Invest. Ophthalmol. Vis. Sci. 45(11):3871-3876(2004)
Gallardo, M.E., et al. Am. J. Med. Genet. A 129A (1), 92-94 (2004) :