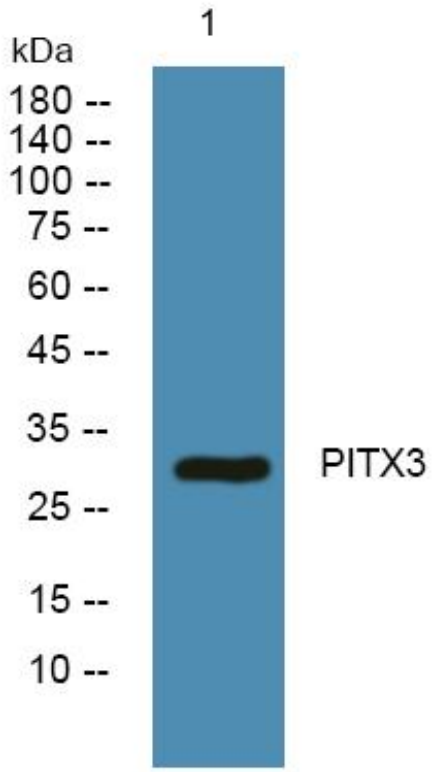
PITX3 Monoclonal Antibody

Catalog No	YP-mAb-04959
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PITX3 PTX3
Protein Name	Pituitary homeobox 3 (Homeobox protein PITX3) (Paired-like homeodomain transcription factor 3)
Immunogen	Synthesized peptide derived from human protein . at AA range: 10-90
Specificity	PITX3 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	33kD
Cell Pathway	Nucleus .
Tissue Specificity	Highly expressed in developing eye lens.
Function	disease:Defects in PITX3 are a cause of autosomal dominant congenital cataract (ADCC) [MIM:602669]. ADCC is characterized by dominant transmission of a phenotype consisting of bilateral congenital cataracts in a mother and son without clinical anterior-segment anomalies.,disease:Defects in PITX3 are the cause of posterior polar cataract type 4 (CTPP4) [MIM:610623]. Cataract is the most frequent cause of visual impairment and blindness worldwide. Posterior polar cataract is a distinctive opacity located at the back of the lens. Because of its proximity to the optical center of the eye, posterior polar cataract can have a marked effect on visual acuity.,disease:Defects in PITX3 may be the cause of anterior segment mesenchymal dysgenesis (ASMD) [MIM:107250]; also known as anterior segment ocular dysgenesis (ASOD). ASMD includes all malformations involving the first (corneal endothelium and
Background	This gene encodes a member of the RIEG/PITX homeobox family, which is in the bicoid class of homeodomain proteins. Members of this family act as transcription factors. This protein is involved in lens formation during eye development.

	Mutations of this gene have been associated with anterior segment mesenchymal dysgenesis and congenital cataracts. [provided by RefSeq, Jul 2008],
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 various cells using PITX3 Monoclonal Antibody