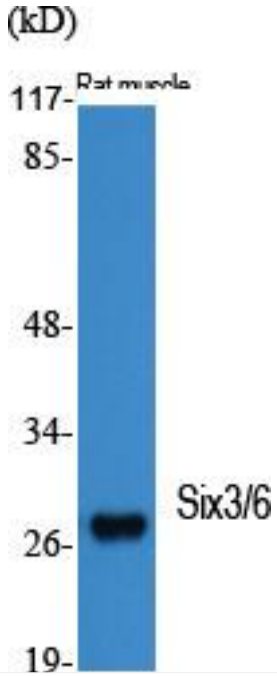
Six3/6 Monoclonal Antibody

Catalog No	BYmab-15803
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SIX6
Protein Name	Homeobox protein SIX6
Immunogen	The antiserum was produced against synthesized peptide derived from human SIX6. AA range:121-170
Specificity	Six3/6 Monoclonal Antibody detects endogenous levels of Six3/6 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SIX6; OPTX2; SIX9; Homeobox protein SIX6; Homeodomain protein OPTX2; Optic homeobox 2; Sine oculis homeobox homolog 6
Observed Band	28kD
Cell Pathway	Nucleus .
Tissue Specificity	Expressed in the developing and adult retina. Also expressed in the hypothalamic and the pituitary regions.
Function	disease:Defects in SIX6 are the cause of microphthalmia isolated with cataract type 2 (MCOPCT2) [MIM:212550]. Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues. Ocular abnormalities like opacities of the cornea and lens, scaring of the retina and choroid, cataractand other abnormalities like cataract may also be present.,function:May be involved in eye development.,similarity:Belongs to the SIX/Sine oculis homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,tissue specificity:Expressed in the developing and adult retina. Also expressed in the hypothalamic and the pituitary regions.,

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). [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 Six3/6 Monoclonal Antibody