



OY-TES-1 Monoclonal Antibody

Catalog No	YP-mAb-00470
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ACRBP
Immunogen	The antiserum was produced against synthesized peptide derived from human ACRBP. AA range:181-230
Specificity	OY-TES-1 Monoclonal Antibody detects endogenous levels of OY-TES-1 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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Acrosin-binding protein;60 kDa form;mature form;Cancer/testis antigen 23;OY-TES-1;ACRBP;CT23;Cancer/testis antigen OY-TES-1;Proacrosin-binding protein sp32
Observed Band	61kD
Calculated Molecular Weight	61kD
Cell Pathway	Secreted . Cytoplasmic vesicle, secretory vesicle, acrosome .
Tissue Specificity	Expression restricted to testis in normal tissue. Expressed in a wide spectrum of cancers, including bladder, breast, liver, lung and colon cancers.
Function	function:May be involved in packaging and condensation of the acrosin zymogen in the acrosomal matrix via its association with proacrosin., PTM:Phosphorylated on Tyr residues in capacitated sperm.,PTM:The N-terminus is blocked.,subcellular location:Colocalizes with proacrosin in the acrosome of sperm.,subunit:Binds proacrosin.,tissue specificity:Expression restricted to testis in normal tissue. Expressed in a wide spectrum of cancers, including bladder, breast, liver, lung and colon cancers.,



Background

The protein encoded by this gene is similar to proacrosin binding protein sp32 precursor found in mouse, guinea pig, and pig. This protein is located in the sperm acrosome and is thought to function as a binding protein to proacrosin for packaging and condensation of the acrosin zymogen in the acrosomal matrix. This protein is a member of the cancer/testis family of antigens and it is found to be immunogenic. In normal tissues, this mRNA is expressed only in testis, whereas it is detected in a range of different tumor types such as bladder, breast, lung, liver, and colon. [provided by RefSeq, Jul 2008],

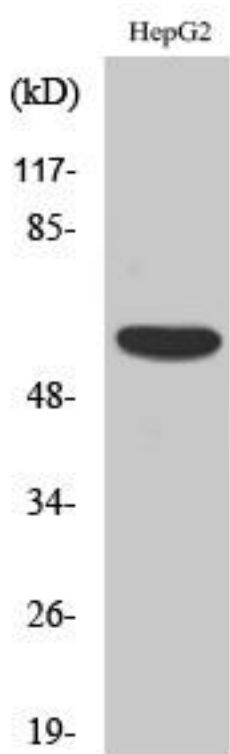
matters needing attention

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 OY-TES-1 Monoclonal Antibody