

Datasheet for ABIN93928
anti-ACRV1 antibody



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1 Publication

Overview

Quantity:	0.1 mg
Target:	ACRV1
Reactivity:	Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ACRV1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC)

Product Details

Immunogen:	Freshly ejaculated dog sperms were washed in PBS and extracted in 3% acetic acid, 10% glycerol, 30 mM benzaminidine. The acid extract was dialyzed against 0.2% acetic acid, lyophilized and subsequently used for immunization.
Clone:	Ds-2
Isotype:	IgG
Specificity:	The mouse monoclonal antibody Ds-2 reacts with canine intra-acrosomal sperm protein (92 and 42 kDa), a testis-specific acrosomal vesicle protein 1 associated with the acrosomal membranes and matrix of the mature sperm.
Cross-Reactivity (Details):	Canine (Dog)
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	ACRV1
Alternative Name:	Intra-Acrosomal Protein (ACRV1 Products)
Background:	One of the most frequent causes of man infertility is defective sperm acrosome. This damage can be detected using antibodies against intra-acrosomal proteins. Besides diagnostics of sperm pathology, monoclonal antibodies against intra-acrosomal proteins can be used for evaluation of the physiological state of sperm cells as well as for selection of a suitable method of fertilization in the laboratories of assisted reproduction.,IAP Can

Application Details

Application Notes:	Immunocytochemistry: Membrane permeabilization (acetone) is essential.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

Product cited in:	Geussová, P?knicová, Capková, Kaláb, Moos, Philimonenko, Hozák: "Monoclonal antibodies to canine intra-acrosomal sperm proteins recognizing acrosomal status during capacitation and acrosome reaction." in: Andrologia , Vol. 29, Issue 5, pp. 261-8, (1997) (PubMed).
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