

11-260-C025

Monoclonal Antibody to Acrosin (Porcine) Purified Antibody (0.025 mg)

Clone:	ACR-2
Isotype:	Mouse IgG1
Specificity:	The antibody ACR-2 reacts with various forms of porcine acrosin (55, 53, 45 and 35 kDa), a typical serine proteinase with trypsin-like specificity. Acrosin is stored in the acrosome of undamaged spermatozoa.
Regulatory Status:	RUO
Immunogen:	Acid extracts of boar spermatozoa were subjected to hydrophobic chromatography and the pooled fraction with reactivity to N-alpha benzoylarginine-4-nitroanilide was used for immunization.
Species Reactivity:	Porcine
Negative Species:	Human, Bovine, Canine (Dog)
Application:	Flow Cytometry described in Ded et al., 2010 Immunocytochemistry Application note: Membrane permeabilization (acetone) is essential. Western Blotting
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified from ascites by protein-A affinity chromatography.
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label

For laboratory research only, not for drug, diagnostic or other use.



Antibodies

References:

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- *Moos J, Peknicova J, Tesarik J. Relationship between molecular conversions of acrosin and the progression of exocytosis in the calcium ionophore-induced acrosome reaction. Biochim Biophys Acta. 1993 Apr 16;1176(3):199-207.
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- *Peknicova J, Capkova J, Geussova G, Ivanova M, Mollova M. Monoclonal antibodies to intra-acrosomal proteins inhibit gamete binding in vitro. Theriogenology. 2001 Jul 15;56(2):211-23.
- *Ded L, Dostalova P, Dorosh A, Dvorakova-Hortova K, Peknicova J: Effect of estrogens on boar sperm capacitation in vitro. Reprod Biol Endocrinol. 2010 Jul 13;8:87

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