

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. |
| 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: | 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 use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles. |
| Expiration: | See vial label |
| Lot Number: | See vial label |
| References: | *Peknicová J. et al., Anim. Reprod. Sci. 35, 255 (1994). *Peknicova J, Moos J. Monoclonal antibodies against boar acrosomal antigens labelling undamaged acrosomes of spermatozoa in immunofluorescence test. Andrologia. 1990 Sep-Oct;22(5):427-35. *Moos J, Tesarik J, Leca G, Peknicova J. Mechanism of maturation and nature of carbohydrate chains of boar sperm acrosin. FEBS Lett. 1991 Dec 2;294(1-2):27-30. *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. *Moos J, Peknicova J, Tesarik J. Protein-protein interactions controlling acrosin release and solubilization during the boar sperm acrosome reaction. Biol Reprod. 1993 Aug;49(2):408-15. *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. |

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