

For Research Use Only

# ACTA1-Specific Recombinant antibody, PBS Only



Catalog Number: 82714-5-PBS

## Basic Information

<b>Catalog Number:</b> 82714-5-PBS	<b>GenBank Accession Number:</b> NM_001100	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 58	<b>CloneNo.:</b> 5B15
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P68133	
<b>Isotype:</b> IgG	<b>Full Name:</b> actin, alpha 1, skeletal muscle	
	<b>Calculated MW:</b> 42 kDa	
	<b>Observed MW:</b> 39-42 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
mouse, rat, pig, chicken

## Background Information

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. The ACTA1 gene encodes skeletal muscle alpha-actin, the principal actin isoform in adult skeletal muscle, which interacts with a variety of proteins to produce the force for muscle contraction. There is only the N-terminal 8 amino acids difference among the actin family members. This antibody is specific to the ACTA1. It does not cross-react with other actin isoforms.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

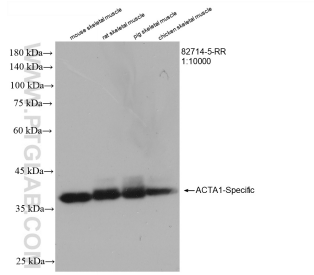
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82714-5-RR (ACTA1-Specific antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82714-5-PBS in a different storage buffer formulation.