ACTA1-Specific Recombinant antibody

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Catalog Number:82714-5-RR

Basic Information

Catalog Number:
82714-5-RR

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001100

GeneID (NCBI):
58

Full Name:
actin, alpha 1, skeletal muscle

Calculated MW:
42 kDa

Observed MW:
39-42 kDa

Purification Method:
Protein A purification

CloneNo.:
5B15

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
mouse, rat, pig, chicken

Positive Controls:
WB : mouse skeletal muscle tissue, rat skeletal muscle tissue, pig skeletal muscle tissue, chicken skeletal muscle tissue

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-termninal 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.
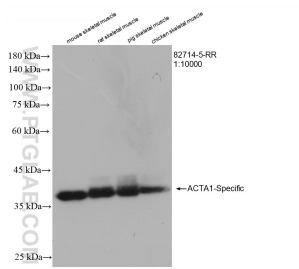
Storage

Storage:
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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.