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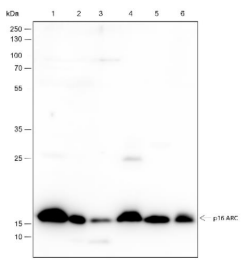
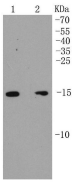
ARPC5 Recombinant Rabbit mAb

Catalog Number:	bsm-52302R
Target Protein:	ARPC5
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Recombinant
Isotype:	IgG
Applications:	**WB** (1:500-2000), **IHC-P** (1:100-500), **IHC-F** (1:50), **IF** (1:100-500), **ICC/IF** (1:50)
Reactivity:	Human, Mouse (predicted: Rat)
Predicted MW:	16 kDa
Subcellular Locations:	Cytoplasm
Entrez Gene:	10092
Swiss Prot:	O15511
Source:	KLH conjugated synthetic peptide derived from human ARPC5: 1-50/151.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	This gene encodes one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact role of the protein encoded by this gene, the p16 subunit, has yet to be determined. Alternatively spliced transcript variants encoding different isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

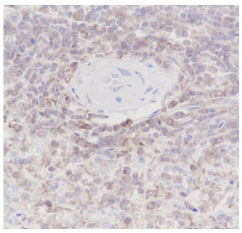
VALIDATION IMAGES



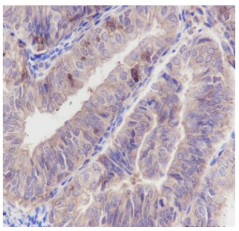
Blocking buffer: 5% NFDM/TBST Primary Ab dilution: 1:2000 Primary Ab incubation condition: 2 hours at room temperature Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP) Lysate: 1: HeLa, 2: HCT-116, 3: SW480, 4: Rat brain, 5: Mouse brain, 6: Mouse ovary Protein loading quantity: 20 µg Exposure time: 60 s Predicted MW: 16 kDa Observed MW: 16 kDa



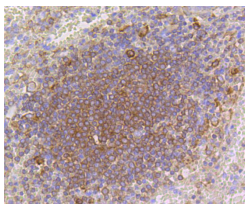
Western blot analysis of p16 ARC on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (bsm-52302R, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:200,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: MCF-7 cell lysate Lane 2: SK-Br-3 cell lysate



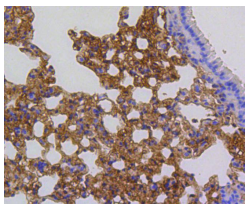
Tissue: Human spleen Section type: Formalin fixed & Paraffin - embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100 Primary Ab incubation condition: 1 hour at room temperature Secondary Ab: Anti-Rabbit and Mouse Polymer HRP (Ready to use) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for bsm-52302R



Tissue: Human endometrium carcinoma Section type: Formalin fixed & Paraffin - embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100 Primary Ab incubation condition: 1 hour at room temperature Secondary Ab: Anti-Rabbit and Mouse Polymer HRP (Ready to use) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for bsm-52302R



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-p16 ARC antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes.The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (bsm-52302R, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-p16 ARC antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes.The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (bsm-52302R, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.