

p16INK4a Monoclonal Antibody (1E12E10)

Product Details

Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	1E12E10
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of P16 expressed in E. Coli.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	ascites
Contains	0.03% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2538613

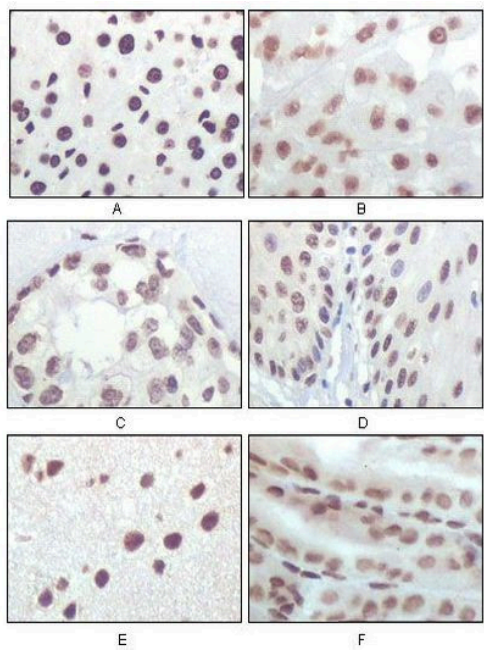
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	4 Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:1,000	-
Immunocytochemistry (ICC/IF)	-	3 Publications
Flow Cytometry (Flow)	-	1 Publication
ELISA (ELISA)	1:10,000	-
in situ PLA (PLA)	-	1 Publication

Product Specific Information

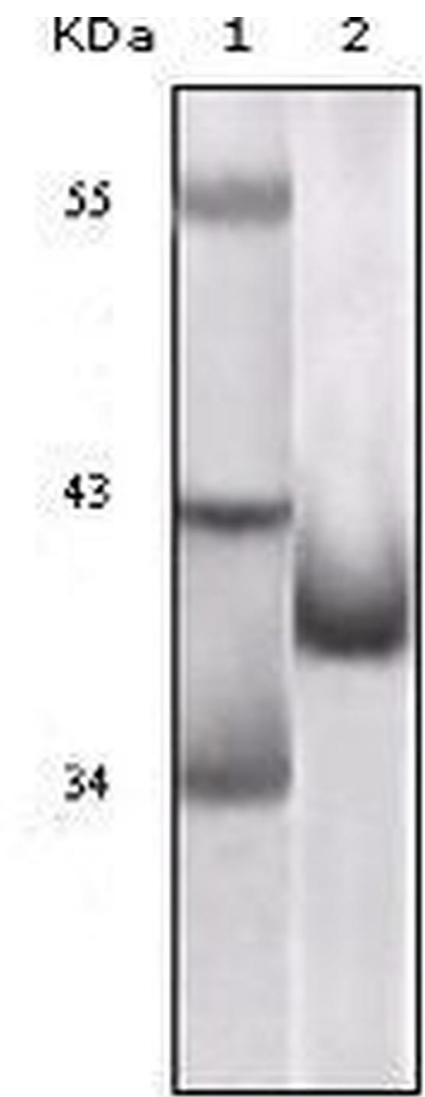
MA5-17142 targets P16 in indirect ELISA, IHC and WB applications and shows reactivity with Human, Mouse, and Rat samples.

The MA5-17142 immunogen is purified recombinant fragment of P16 expressed in E. Coli.

Product Images For p16INK4a Monoclonal Antibody (1E12E10)



p16INK4a Antibody (MA5-17142) in IHC (P)
Immunohistochemical analysis of paraffin-embedded rat liver tissue (A), human brain tumor (B), breast cancer (C), esophageal epithelium tissue (D), mouse brain tissue (E) and stomach tissue (F) using P16 monoclonal antibody (Product # MA5-17142) followed with DAB staining.



p16INK4a Antibody (MA5-17142) in WB
Western blot analysis of P16 using a P16 monoclonal antibody (Product # MA5-17142) against a GST-tagged truncated P16 recombinant protein.

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Western Blot (4)

<p>Materials today. Bio</p> <p>iPSC-sEVs alleviate microglia senescence to protect against ischemic stroke in aged mice.</p> <p>"MA5-17142 was used in Western Blotting to show that treatment with iPSC-sEVs significantly alleviated microglia senescence as indicated by the decreased senescence-associated proteins including P16, P21, P53, and -H2AX as well as the activity of SA--gal, and inhibited pro-inflammatory activation of microglia both in vivo and in vitro."</p> <p>Authors: Niu X,Xia Y,Luo L,Chen Y,Yuan J,Zhang J,Zheng X,Li Q,Deng Z,Wang Y</p>	<p>Year 2023</p> <p>Species Mouse</p>
<p>Aging cell</p> <p>SATB2, coordinated with CUX1, regulates IL-1-induced senescence-like phenotype in endothelial cells by fine-tuning the atherosclerosis-associated p16^{INK4a} expression.</p> <p>"MA5-17142 was used in Immunocytochemistry and Western Blotting to demonstrate that IL-1, a senescence-associated secretory phenotype (SASP) gene itself and a biomarker for atherosclerosis, induces cellular senescence also by upregulating CUX1 and/or downregulating SATB2 in human endothelial cells.."</p> <p>Authors: Wu T,Wu Y,Jiang D,Sun W,Zou M,Vasamsetti SB,Dutta P,Leers SA,Di W,Li G</p>	<p>Year 2023</p> <p>Species Human</p> <p>Dilution 1:500</p>

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Immunohistochemistry (4)

<p>Frontiers in neuroscience</p> <p>Senolytic therapy is neuroprotective and improves functional outcome long-term after traumatic brain injury in mice.</p> <p>"MA5-17142 was used in Immunohistochemistry-immunofluorescence to indicate there is robust and widespread induction of senescent cells in the brain long-term after TBI, and that senolytic drug treatment begun 1-month after TBI can efficiently ablate the senescent cells, reduce expression of proinflammatory SASP factors, reduce neurodegeneration, and rescue defects in reference memory, recognition memory, and depressive behavior."</p> <p>Authors: Wang J,Lu Y,Carr C,Dhandapani KM,Brann DW</p>	<p>Year 2023</p> <p>Species Mouse</p> <p>Dilution 1:400</p>
<p>The Malaysian journal of medical sciences : MJMS</p> <p>Accelerated Senescence and Apoptosis in the Rat Liver during the Progression of Diabetic Complications.</p> <p>"MA5-17142 was used in Immunohistochemistry to determine the pathological complications of Chronic hyperglycaemia in the rat liver."</p> <p>Authors: Yuniartha R,Arfian N,Setyaningsih WAW,Kencana SMS,Sari DCR</p>	<p>Year 2022</p> <p>Species Rat</p> <p>Dilution 1:300</p>

[View more IHC references on thermofisher.cn](#)

More applications with references on thermofisher.cn

- ICC/IF (3)
- Flow (1)
- PLA (1)

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