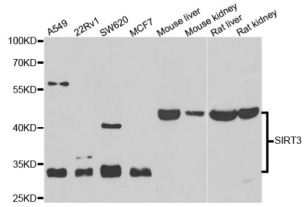
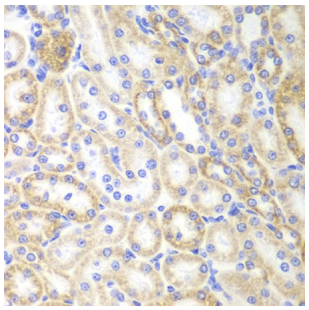
Sirtuin 3 (SIRT3) Antibody

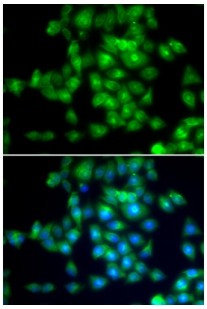
Catalogue No.:abx005514



Western blot analysis of extracts of various cell lines, using SIRT3 antibody (abx005514) at 1/1000 dilution.



Immunohistochemistry of paraffin-embedded rat kidney using SIRT3 antibody (abx005514) at dilution of 1/100 (40x lens).



Immunofluorescence analysis of MCF-7 cells using SIRT3 antibody (abx005514). Blue: DAPI for nuclear staining.

SIRT3 Antibody is a Rabbit Polyclonal antibody against SIRT3. This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Two alternatively spliced transcript variants that encode different proteins have been described for this gene.

Target:	Sirtuin 3 (SIRT3)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IHC, IF/ICC, IP

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Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/1000, IHC-P: 1/50 - 1/200, IP: 0.5-4 µg/200-400 µg whole cell extracts, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 388-399 of human SIRT3.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q9NTG7 (UniProt, ExPASy)
Gene Symbol:	SIRT3
GeneID:	23410
NCBI Accession:	NP_036371.1
String:	9606.ENSP00000372191
Molecular Weight:	Calculated MW: 44 kDa Observed MW: 28/44 kDa
Buffer:	PBS, pH 7.3, containing 0.01% thimerosal, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	This product is for research use only.

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