

Anti-SIRT6 Monoclonal Antibody

Catalog Number: M00611-2

About SIRT6

CD68, cluster of differentiation, is a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. CD68 is a member of a family of hematopoietic mucin-like molecules that includes leukosialin/CD43 and stem cell antigen CD34. The CD68 gene is mapped to 17p13.1. Immunohistochemistry can be used to identify the presence of CD68, which is found in the cytoplasmic granules of a range of different blood cells. It is particularly useful as a marker for the various cells of the macrophage lineage, including monocytes, histiocytes, giant cells, Kupffer cells, and osteoclasts. This allows it to be used to distinguish diseases of otherwise similar appearance, such as the monocyte/macrophage and lymphoid forms of leukaemia (the latter being CD68 negative). Its presence in macrophages also makes it useful in diagnosing conditions related to proliferation or abnormality of these cells, such as malignant histiocytosis, histiocytic lymphoma, and Gaucher's disease.

Overview

Product Name	Anti-SIRT6 Monoclonal Antibody
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-SIRT6 Monoclonal Antibody catalog # M00611-2. Tested in ELISA, IF, ICC, WB applications. This antibody reacts with Human, Monkey, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Monoclonal 6C9-D10-D3
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q8N6T7

Technical Details

Immunogen	Purified recombinant human SIRT6 protein expressed in E.coli.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB 1:500-2000

ELISA 1:10000-20000

Anti-SIRT6 Monoclonal Antibody (M00611-2) Images

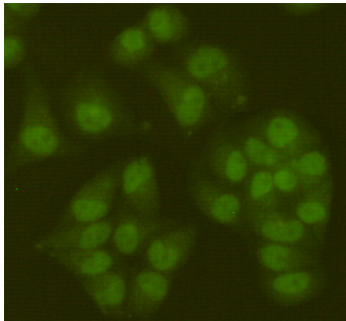


Figure 2. Immunofluorescent staining data of SIRT6 using Anti-SIRT6 Monoclonal Antibody (M00611-2).

Immunofluorescent analysis of HeLa cells fixed by 4% paraformaldehyde and using SIRT6 mouse mAb (dilution 1:100).

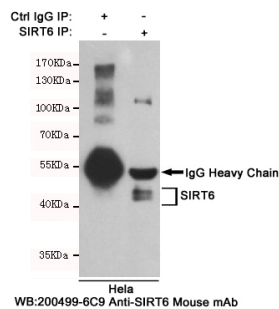


Figure 3. IP validation of SIRT6 using Anti-SIRT6 Monoclonal Antibody (M00611-2).

Immunoprecipitation analysis of HeLa cell lysates using SIRT6 mouse mAb.

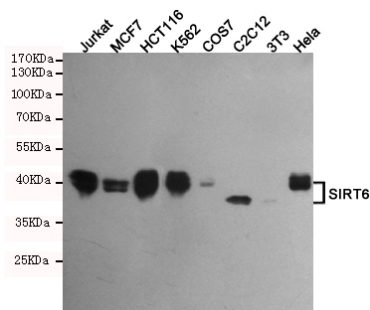


Figure 1. Western blotting validation for Anti-SIRT6 Monoclonal Antibody M00611-2

Western blot analysis of extracts from Jurkat

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