

HSCB (8B9) Mouse Monoclonal antibody

HSCB (8B9) Mouse Monoclonal antibody Catalog # AP93905

Specification

HSCB (8B9) Mouse Monoclonal antibody - Product Information

Application WB
Primary Accession Q8IWL3
Reactivity Human
Clonality Monoclonal
Calculated MW 27422

HSCB (8B9) Mouse Monoclonal antibody - Additional Information

Gene ID 150274

Other Names

Iron-sulfur cluster co-chaperone protein HscB, DnaJ homolog subfamily C member 20, Iron-sulfur cluster co-chaperone protein HscB, cytoplasmic, C-HSC20, Iron-sulfur cluster co-chaperone protein HscB, mitochondrial, HSCB (HGNC:28913), DNAJC20, HSC20

Storage Conditions -20°C

HSCB (8B9) Mouse Monoclonal antibody - Protein Information

Name HSCB (HGNC:28913)

Synonyms DNAJC20, HSC20

Function

[Iron-sulfur cluster co-chaperone protein HscB, mitochondrial]: Acts as a co-chaperone in iron-sulfur cluster assembly in mitochondria (PubMed:20668094). Required for incorporation of iron- sulfur clusters into SDHB, the iron-sulfur protein subunit of succinate dehydrogenase that is involved in complex II of the mitochondrial electron transport chain (PubMed:26749241). Recruited to SDHB by interaction with SDHAF1 which first binds SDHB and then recruits the iron-sulfur transfer complex formed by HSC20, HSPA9 and ISCU through direct binding to HSC20 (PubMed:26749241). Plays an essential role in hematopoiesis (By similarity).

Cellular Location

[Iron-sulfur cluster co-chaperone protein HscB, cytoplasmic]: Cytoplasm

Tissue Location



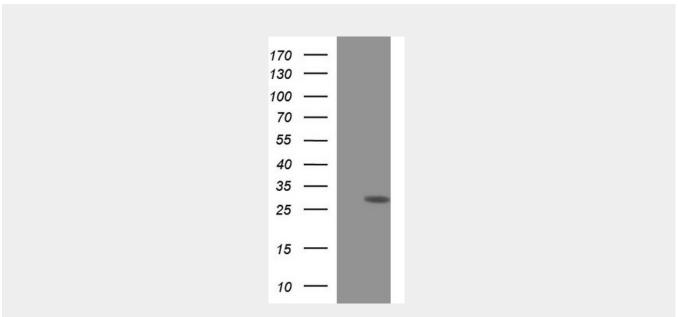
Expressed in lung, brain, stomach, spleen, ovary, testis, liver, muscle and heart.

HSCB (8B9) Mouse Monoclonal antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

HSCB (8B9) Mouse Monoclonal antibody - Images



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HSCB (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HSCB. Positive lysates (100ug) and (20ug) can be purchased separately from biodragon.