

Product Datasheet

Anti-HSPB1 [SAIC-23B-22] (orb1089992)

Catalog Number	orb1089992
Category	Antibodies
Description	Rabbit monoclonal antibody to HSPB1
Target	HSPB1
Clonality	Monoclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human
Concentration	1 mg/ml
Buffer/Preservatives	PBS with 0.02% Proclin 300.
Purity	Purified
Immunogen	Peptide "DGVVEITGK" derived from Heat shock protein beta-1, involved in stress resistance and actin organisation, conjugated to KLH.
UniProt ID	P04792
Specificity	Recognises human HSPB1.
Clone Number	SAIC-23B-22
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

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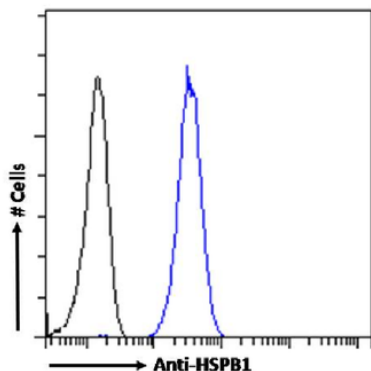
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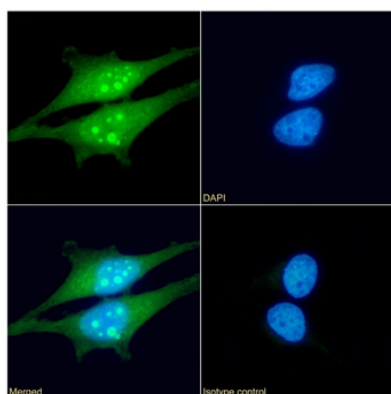
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Note For research use only

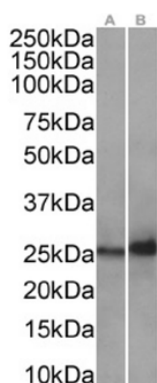
Expiration Date 12 months from date of receipt.



Flow cytometry using the Anti-HSPB1 antibody SAIC-23B-22. Paraformaldehyde fixed HeLa cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody (orb256458; isotype control, black line) or the rabbit IgG version of SAIC-23B-22 (orb1089992, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Immunofluorescence staining of HeLa cells with anti-HSPB1 SAIC-23B-22. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton stained with the chimeric rabbit IgG version of SAIC-23B-22 (orb1089992) (1:100 dilution) for 1h followed by Alexa Fluor® 488 secondary antibody (1:1000 dilution), showing nucleoli, nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb1089992, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (orb256458) followed by staining with Alexa Fluor® 488 secondary antibody.



Western Blot using anti-HSPB1 antibody SAIC-23B-22. Human heart(A) (0.1 µg/ml) and human placenta(B) (0.3 ug/ml) tissue lysates (35 µg protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of SAIC-23B-22 (orb1089992), before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

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