abcam

Product datasheet

Anti-PAX7 antibody [PAX7/497] - BSA and Azide free ab212697

1 Image

Overview

Product name	Anti-PAX7 antibody [PAX7/497] - BSA and Azide free
Description	Mouse monoclonal [PAX7/497] to PAX7 - BSA and Azide free
Host species	Mouse
Tested applications	**Suitable for:** Flow Cyt, WB, IHC-Fr, ICC/IF
Species reactivity	**Reacts with:** Mouse, Rat, Chicken, Human, Zebrafish
Immunogen	Recombinant fragment corresponding to Human PAX7 aa 301-505. Database link: P23759
Positive control	HeLa, Jurkat, A431, MCF7, U2OS or NIH 3T3 cells. Rhabdomyosarcoma (RMS)

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Constituent: 100% PBS
Carrier free	Yes
Purity	Protein A/G purified
Purification notes	ab212697 is purified from Bioreactor Concentrate by Protein A/G.
Clonality	Monoclonal
Clone number	PAX7/497
Isotype	IgG1
Light chain type	kappa

Applications

Our Abpromise guarantee covers the use of **ab212697** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 0.5-1µg for 10^6 cells. in 0.1ml volume
WB		Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 56 kDa.
IHC-Fr		Use a concentration of 0.5 - 1 µg/ml. for 30 minutes at RT
ICC/IF		Use a concentration of 0.5 - 1 µg/ml.

Target

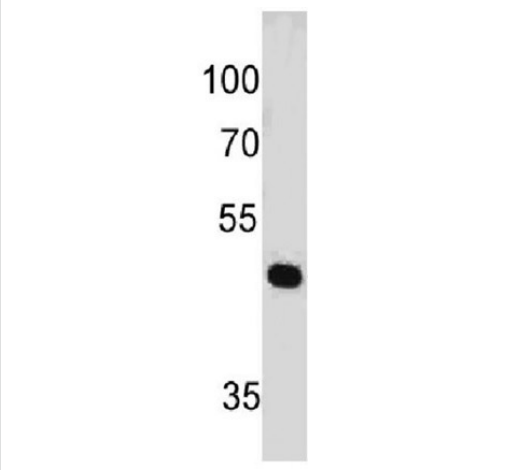
Function
Probable transcription factor. May have a role in myogenesis.

Involvement in disease
Defects in PAX7 are a cause of rhabdomyosarcoma type 2 (RMS2) [MIM:268220]. It is a form of rhabdomyosarcoma, a highly malignant tumor of striated muscle derived from primitive mesenchimal cells and exhibiting differentiation along rhabdomyoblastic lines. Rhabdomyosarcoma is one of the most frequently occurring soft tissue sarcomas and the most common in children. It occurs in four forms: alveolar, pleomorphic, embryonal and botryoidal rhabdomyosarcomas. Note=A chromosomal aberration involving PAX7 is found in rhabdomyosarcoma. Translocation t(1;13)(p36;q14) with FOXO1. The resulting protein is a transcriptional activator.

Sequence similarities
Belongs to the paired homeobox family.
Contains 1 homeobox DNA-binding domain.
Contains 1 paired domain.

Cellular localization
Nucleus.

Images



Western blot - Anti-PAX7 antibody [PAX7/497] - BSA and Azide free (ab212697)

Anti-PAX7 antibody [PAX7/497] - BSA and Azide free (ab212697)
at 1 µg/ml + HeLa cell lysate

Predicted band size: 56 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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