

Anti-phospho Pax3 [Ser205]

Catalogue number: 156472

Sub-type: Primary antibody

Images:

Contributor

Inventor: Andrew Hollenbach

Institute: Louisiana University Health Sciences Center New Orleans (LSU)

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-phospho Pax3 [Ser205]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Pax3 is a transcription factor important for myogenesis and when dysregulated can cause pediatric solid muscle tumor alveolar rhabdomyosarcoma (ARMS). ARMS is primarily characterized by the t(2;13)(p35;p14) chromosomal translocation, which results in the oncogenic fusion protein Pax3-FOXO1. Using these phospho-specific antibodies it was demonstrated that the pattern of Pax3 phosphorylation at serines 201, 205, and 209 changes throughout early myogenic differentiation and that this pattern is different for Pax3-FOXO1 in primary myoblasts and in several ARMS cell lines.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity: Human ; Mouse

Selectivity:

Host: Rat

Immunogen: synthetic peptide: NH₂-CAPQSDEG(pS)DIDSEP-CO₂

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: IgG

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Phosphorylated Ser205 of Pax3

Target alternate names:

Target background: Pax3 is a transcription factor important for myogenesis and when dysregulated can cause pediatric solid muscle tumor alveolar rhabdomyosarcoma (ARMS). ARMS is primarily characterized by the t(2;13)(p35;p14) chromosomal translocation, which results in the oncogenic fusion protein Pax3-FOXO1. Using these phospho-specific antibodies it was demonstrated that the pattern of Pax3 phosphorylation at serines 201, 205, and 209 changes throughout early myogenic differentiation and that this pattern is different for Pax3-FOXO1 in primary myoblasts and in several ARMS cell lines.

Molecular weight:

Ic50:

Applications

Application: WB

Application notes:

Handling

Format: Liquid

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Loupe et al. 2015. Oncogenesis. 4:e145. PMID: 25821947. ; Dietz et al. 2011. Int J Biochem Cell Biol. 43(6):936-45. PMID: 21440083.

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