Immunoway
Best Tools for immunology Research

B-Cell-Specific Activator Protein(PAX-5) (ABT109R) rabbit mAb

Catalog No : YM7016

Reactivity : Human;(predicted: Mouse)

Applications : WB; IHC; ELISA

Target : MEK-4

Gene Name : PAX5

Protein Name : PAX-5

Human Gene Id : 5079

Human Swiss Prot No : Q02548

Mouse Gene Id : 18507

Mouse Swiss Prot No : Q02650

Immunogen : Synthesized peptide derived from human PAX-5 AA range:150-250

Specificity : This antibody detects endogenous levels of MEK-4

Formulation : PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Source : Monoclonal, Rabbit IgG1, Kappa

Dilution : IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000

Purification : Recombinant Expression and Affinity purified

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 42kD

Cell Pathway : IIP pathway

Background :

The enzyme encoded by this gene catalyzes the first 2 steps, and at least 1 subsequent step, in the conversion of tyrosine to melanin. The enzyme has both tyrosine hydroxylase and dopa oxidase catalytic activities, and requires copper for function. Mutations in this gene result in oculocutaneous albinism, and nonpathologic polymorphisms result in skin pigmentation variation. The human genome contains a pseudogene similar to the 3' half of this gene. [provided by RefSeq, Oct 2008]

Function :

developmental stage:Expressed at early B-cell differentiation, in the developing CNS and in adult testis.,disease:A chromosomal aberration involving PAX5 is a cause of acute lymphoblastic leukemia. Translocation t(9;18)(p13;q11.2) with ZNF521. Translocation t(9;3)(p13;p14.1) with FOXP1. Translocation t(9;12)(p13;p13) with ETV6.,function:May play an important role in B-cell differentiation as well as neural development and spermatogenesis. Involved in the regulation of the CD19 gene, a B-lymphoid-specific target gene.,PTM:O-glycosylated.,similarity:Contains 1 paired domain.,subunit:Interacts with DAXX (By similarity). Binds DNA as a monomer. Binds TLE4.,

Subcellular Location :

Nucleus .

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