

PAX5 (PT0400R) PT® Rabbit mAb

Catalog No :	YM8245
Reactivity :	Human; Mouse; Rat;
Applications :	WB;IHC;IF;IP;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
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, rabbit, IgG, Kappa
Dilution :	IHC 1:1000-1:4000;WB 1:2000-1:10000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200;
Purification :	Protein A
Storage Stability :	-15 °C to -25 °C/1 year(Do not lower than -25 °C)
Molecularweight :	42kD
Observed Band :	42kD

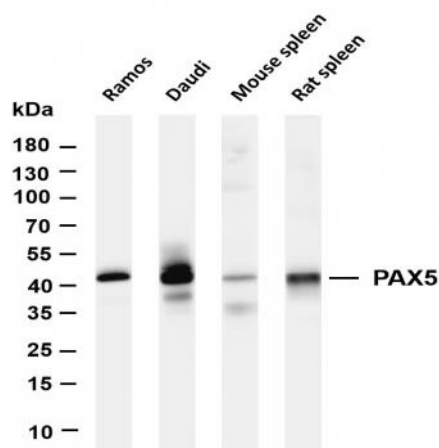
Cell Pathway : IIP pathway

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]

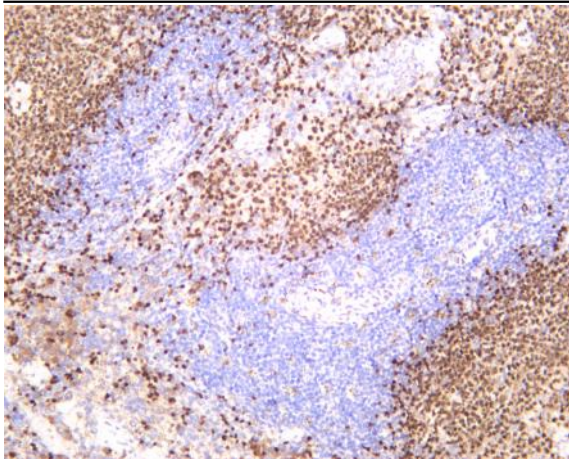
Function : developmental stage:Expressed at early B-cell differentiation, in the developing CNS and in adult testis.,disease:A chromosomal aberration involving PAX5 is a cause of acute lymphoblastic leukemia. Translocation t(9;18)(p13;q11.2) with ZNF521. Translocation t(9;3)(p13;p14.1) with FOXP1. Translocation 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

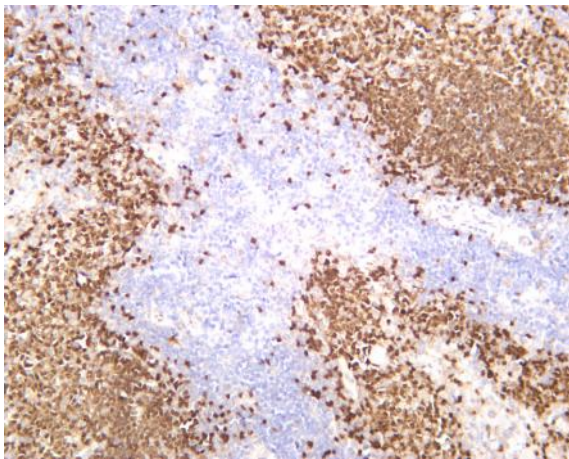
Products Images



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PAX5 (PT0400R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Ramos Lane 2: Daudi Lane 3: Mouse spleen Lane 4: Rat spleen Predicted band size: 42kDa Observed band size: 42kDa



Mouse spleen was stained with anti-PAX5 (PT0400R) rabbit antibody



Rat spleen was stained with anti-PAX5 (PT0400R) rabbit antibody