



Anti-PAX2 monoclonal antibody, clone 5D3.3 (CABT-B1337)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It is expected to react with spliced Pax-2 isoform 1 and isoform 2 (Fetal kidney isoform). Reactivity toward isoforms 3&4 has not been tested.
Immunogen	GST-tagged recombinant protein corresponding to human Pax-2.
Isotype	IgG2b, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	5D3.3
Purification	Unpurified
Conjugate	Unconjugated
Applications	WB
Molecular Weight	~45 kDa observed. ~45 kDa observed. Isoform 1 (44.7 kDa calculated); Isoform 2 (44.5 kDa calculated). An uncharacterized band ~17 kDa is seen in some lysate samples.
Format	Liquid
Concentration	Please refer to lot specific datasheet.
Size	200 µl
Buffer	supernatant without preservatives.
Preservative	None

Storage

Stable for 1 year at -20°C from date of receipt. Handling Recommendations: Upon receipt and prior to removing the cap, centrifuge the vial and gently mix the solution. Aliquot into microcentrifuge tubes and store at -20°C. Avoid repeated freeze/thaw cycles, which may damage IgG and affect product performance.

BACKGROUND

Introduction

Paired box protein Pax-2 (UniProt Q02962; also known as Paired box homeotic gene 2) is encoded by the PAX2 (also known as FSGS7, PAPRS) gene (Gene ID 5076) in human. Pax-2 belongs to the family of transcription factors with conserved DNA-binding paired box domain. The family of paired box (PAX) genes is divided into four subgroups (I–IV). Genes in subgroups II (PAX2, PAX5, and PAX8) and III (PAX3 and PAX7) have been implicated in tumor development. PAX2 is a critical regulator of embryogenesis and it is normally expressed in the pancreas and in subpopulations of nodal lymphocytes in adult tissues. Aberrant PAX2 expression is frequently observed in several cancer types.

GENE INFORMATION

Entrez Gene ID[5076](#)**UniProt ID**[Q02962](#)