

Rat Paired Box Gene 6 (PAX6) ELISA Kit | PAX6 elisa kit

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CATALOG #
AAA187311

REACTIVITY
Rat

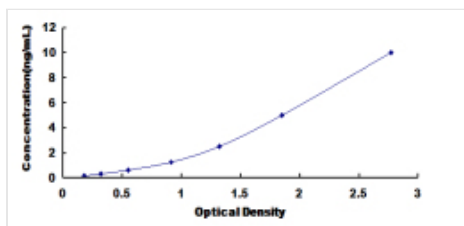
PRODUCT SYNONYMS

Paired Box Gene 6 (PAX6); Rat Paired Box Gene 6 (PAX6) ELISA Kit; AN; AN2; MGDA; WAGR; Oculorhombin; Aniridia; Keratitis; Aniridia type II protein; PAX6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Paired Box Gene 6 (PAX6). No significant cross-reactivity or interference between Paired Box Gene 6 (PAX6) and analogues was observed.
Sequence Length	â€”
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Paired Box Gene 6 (PAX6) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Paired Box Gene 6 (PAX6) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAX6 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Paired Box Gene 6 (PAX6). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Paired Box Gene 6 (PAX6). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Paired Box Gene 6 (PAX6), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Paired Box Gene 6 (PAX6) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119588642
NCBI GeneID	5080
UniProt Accession #	P26367; Q6N006; Q99413
Molecular Weight	â€“ Da
NCBI Official Full Name	paired box gene 6 (aniridia, keratitis), isoform CRA_c
NCBI Official Synonym Full Names	paired box 6
NCBI Official Symbol	PAX6
NCBI Official Synonym Symbols	AN; AN2; FVH1; MGDA; WAGR; ASGD5; D11S812E
NCBI Protein Information	paired box protein Pax-6
UniProt Protein Name	Paired box protein Pax-6
UniProt Gene Name	PAX6
UniProt Synonym Gene Names	AN2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.