Datasheet for ABIN306662

anti-PPP4R1 antibody (AA 1-205)

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Overview

Quantity:	100 µg
Target:	PPP4R1
Binding Specificity:	AA 1-205
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PPP4R1 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant p63 Protein (AA 1-205) N-terminal part of deltaNp63
Isotype:	IgG
Cross-Reactivity (Details):	Human, mouse, rat
Characteristics:	Serine/Threonine-Protein Phosphatase 4 Regulatory Subunit 1, Protein Phosphatase X/A'2, PP4R1,Clone 4A4 binds to all known Isotypes of p63. It is known as an excellent marker of basal cells in squamous epithelia and transitional cell epithelia (localisation of the antigen in cell nuclei). It is well suited for the detection of squamous cell carcinoma. In prostate tissue 80 % of basal cells in benign tissue react positive, whereas p63 disappears in prostate carcinoma. The p63 gene is a homologue of the tumour suppressor gene p53. It is highly expressed in nuclei of basal cells, the progenitor cells of many epithelial tissues. It shows up remarkable structural similarities to p53. By alternative splicing at least 6 different isoforms are synthesised, which

Product Details

	are different in the C-terminus (alpha, beta, gamma) and in the N-terminus (TA and DN). In mice loss of the p63 gene leads to inability to form basal cells and severe organic deficits. Similar organic failures occur in humans with autosomal dominant EEC-Syndrome, which obviously is related to mutation of the p63 gene. p63 (6 Isotypes).

Target Details

Target:	PPP4R1
Alternative Name:	Protein Phosphatase 4 R1 (X/A'2) (PPP4R1 Products)

Application Details

Application Notes:	Pre-treatment of formaldehyde-fixed tissue with Tris-buffered EDTA solution pH 9 or Unmasking Fluid G 40 min at 100 °C,IHC(P),60 min at RT,(liquid conc.) 1:25-1:50
Restrictions:	For Research Use only

Handling

Buffer:	Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide. The volume is sufficient for 250-500 immunohistochemical tests (100 µL working solution / test). Use appropriate antibody diluent
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	2-8°C