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Research Use Only. Not for diagnostic or therapeutic use.

EB09122 - Goat Anti-CEP290 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CEP290, centrosomal protein 290kDa, 3H11Ag, BBS14, FLJ13615, FLJ21979, JBTS5, JBTS6, KIAA0373, LCA10, MKS4, NPHP6, SLSN6, rd16, CTCL tumor antigen se2-2, monoclonal antibody 3H11 antigen, nephrocytsin-6, prostate cancer

antigen T21

Official Symbol: CEP290

Accession Number(s): NP_079390.3

Human GeneID(s): 80184

Non-Human GenelD(s): 216274 (mouse)

Important Comments: Despite similarity of the immunizing peptide with the mouse

protein, this antibody was demonstrated to weak for mouse Cep290.

Immunogen

Peptide with sequence C-RNSKHLKQQQYRAEN, from the internal region of the protein sequence according to NP_079390.3.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

IHC: Paraffin embedded Human Prostate. Recommended concentration: 5-7µg/ml.

Immunocytochemistry: Formaldehyde-fixed cell lines derived from Prostate Cancer and from Breast Cancer show typical centrosomal staining. Recommended concentration: 2-3ug/ml.

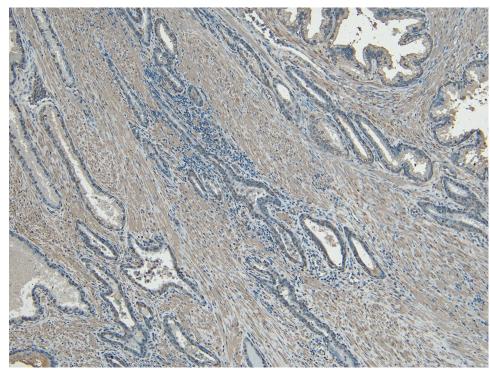
Species Reactivity

Tested: Human

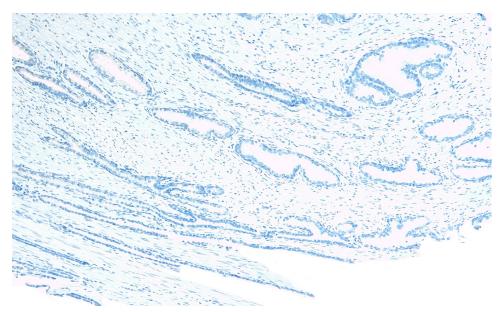
Expected from sequence similarity: Human

Specific Reference

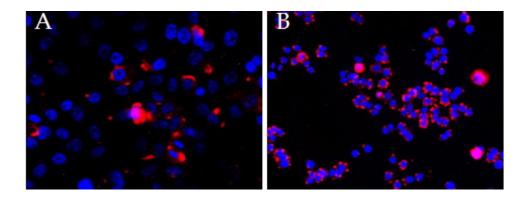
PMID: 0



 $EB09122~(5\mu g/ml)~staining~of~paraffin~embedded~Human~Prostate.~Heat~induced~antigen~retrieval~with~citrate\\ buffer~pH~6,~HRP-staining.$



EB09122 Negative Control showing staining of paraffin embedded Human Prostate, with no primary antibody.



EB09122 (2.5ug/ml overnight staining of cell lines OPCT-1 (A) and MDA468 (fB) with Alexa Fluor 568 (red) and nuclear counter staining with DAPI (blue). Data kindly provided by Dr S, McArdle, and obtained by Sumanjeet Malhi , John van Geest Research Centre, Nottingham, UK