Goat Anti-PAX6 (C Terminus) Antibody  
SBS0968

Size: 100μg specific antibody in 200μl

Target Protein
Principal Names: paired box homeotic gene-6, paired box homeotic gene 6 (aniridia, keratitis), paired box gene 6, WAGR, MGDA, MGC17209, D11S812E, AN2, AN, paired box gene 6 (aniridia, keratitis), PAX6  
Official Symbol: PAX6  
Accession Number(s): NP_000271.1; NP_001595.2  
Human GenelD(s): 5080  
Non-Human GenelD(s): 18508 (mouse), 25509 (rat)  
Important Comments: This antibody is expected to recognise both reported isoforms (NP_000271.1 and NP_001595.2).

Immunogen
Peptide with sequence C-EPDMSQYWPRLQ, from the C Terminus of the protein sequence according to NP_000271.1; NP_001595.2.  
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 1:32000.  
Western blot: Preliminary experiments in human and mouse brain lysates gave no specific signal but low background (at antibody concentration up to 1μg/ml). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates?

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Species Reactivity
Tested:
Expected from sequence similarity: Human, Mouse, Rat

Background Reference
Grinchuk O, Kozmik Z, Wu X, Tomarev S.
The Optimedin gene is a downstream target of Pax6.
PMID: 16115881