

Description:	RABBIT ANTI MOUSE COLLAGEN IV
Specificity:	COLLAGEN IV
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen			■	
Immunohistology - Paraffin	■			1/250 - 1/1000
Immunohistology - Resin			■	
ELISA	■			1/100 - 1/400
Immunoprecipitation			■	
Western Blotting			■	
Immunofluorescence	■			1/40 - 1/160

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Mouse
Product Form	Purified Ig - liquid
Preparation	Purified IgG prepared by antigen column chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Collagen IV purified from mouse EHS tumour

External Database Links

UniProt:

P02463	CO4A1_MOUSE	Related reagents
P08122	CO4A2_MOUSE	Related reagents
Q9QZS0	CO4A3_MOUSE	Related reagents
Q9QZR9	CO4A4_MOUSE	Related reagents
Q80V57		Related reagents
Q6PFB1		Related reagents

Entrez Gene:

12826	Col4a1	Related reagents
12827	Col4a2	Related reagents
12828	Col4a3	Related reagents
12829	Col4a4	Related reagents

Specificity 2150-1470 is specific for mouse collagen type IV. The following cross reactivities have been observed:

Mouse type IV	100%
Mouse types I, II & III	<0.1%
Human types IV & V	<0.1%
Mouse fibronectin & laminin	<0.1%

References

1. Tang, Z. *et al.* (2010) Survival effect of PDGF-CC rescues neurons from apoptosis in both brain and retina by regulating GSK3beta phosphorylation. [J Exp Med. 207: 867-80.](#)
2. Fantin, A. *et al.* (2010) Tissue macrophages act as cellular chaperones for vascular anastomosis downstream of VEGF-mediated endothelial tip cell induction. [Blood. 116: 829-40.](#)
3. Chen, M. *et al.* (2010) Immune activation in retinal aging: a gene expression study. [Invest Ophthalmol Vis Sci. 51: 5888-96.](#)
4. Kojima, T. *et al.* (2007) Proangiogenic role of ephrinB1/EphB1 in basic fibroblast growth factor-induced corneal angiogenesis. [Am J Pathol. 2007 Feb;170\(2\):764-73.](#)
5. Rubin, A.N. *et al.* (2010) The germinal zones of the basal ganglia but not the septum generate GABAergic interneurons for the cortex. [J Neurosci. 30: 12050-62.](#)
6. Armulik, A. *et al.* (2010) Pericytes regulate the blood-brain barrier. [Nature. 468: 557-61.](#)
7. Stenzel, D. *et al.* (2011) Integrin-dependent and -independent functions of astrocytic fibronectin in retinal angiogenesis. [Development. 138: 4451-63.](#)

Storage

Store at +4°C or at -20°C if preferred.
 Storage in frost-free freezers is not recommended.
 This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.
 Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR36...)	DyLight@488 , DyLight@800
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Sheep Anti Rabbit IgG (STAR54...)	HRP
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR34...)	FITC