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Product datasheet for RA25062-100

Glutamine Synthetase (GLUL) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Reactivity:	Bovine, Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	State: Serum
Gene Name:	Homo sapiens glutamate-ammonia ligase (GLUL), transcript variant 2
Database Link:	Entrez Gene 14645 Mouse Entrez Gene 24957 Rat Entrez Gene 2752 Human
Synonyms:	GS, GLUL, GLNS, Glutamate decarboxylase
Protein Pathways:	Alanine, aspartate and glutamate metabolism, Arginine and proline metabolism, Metabolic pathways, Nitrogen metabolism

View online »

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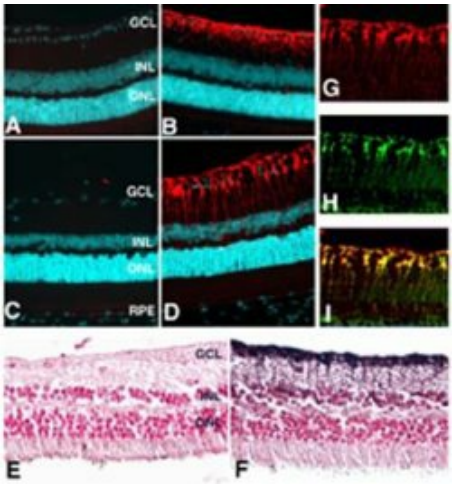
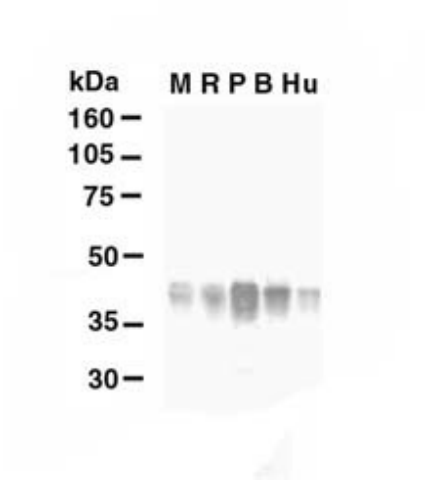
Product images:



Localization of glutamine synthase in the retina. Paraffin sections of mouse (A, B), rat (C, D, G-I), or human (E, F) retina fixed in 4% paraformaldehyde were reacted with anti-glutamine synthase (red fluorescence staining in B, D, G, I, and brown immuno-peroxidase reaction [using ABC kit and visualization with DAB product in F]. Nuclei in some immunofluorescence experiments (A-D) were stained with DAPI (shown in cyan), and with nuclear fast red in E and F. On inspection at low magnification, anti-glutamine synthase reacted with a single population of cells extending from the ganglion cell layer (GCL) through the inner nuclear layer (INL). No signal was detected in controls either pre-incubated with 100ug/ml of the immunizing peptide (A) or with pre-immune serum (C, E). The pattern of staining observed in all experiments is typical of Müller cells. This finding was confirmed by co-localization (indicated by yellow in I) of glutamine synthase (red in G) with antoher marker of glutamine synthase (green in H).



Western blot analysis of glutamine synthase. 40ug of lysates from mouse (lane M), rat (lane R), pig (lane P), bovine (lane B), or human (lane Hu) retina were probed. A 34 kDa band was identified.

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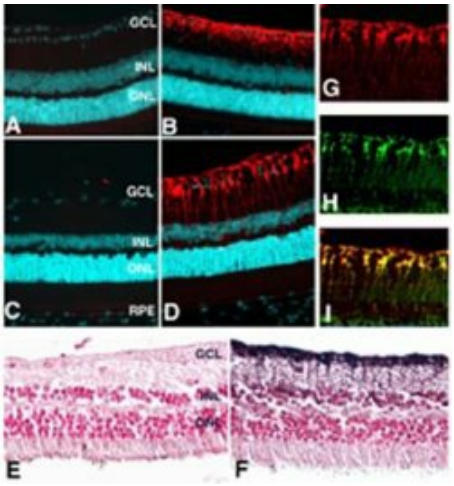

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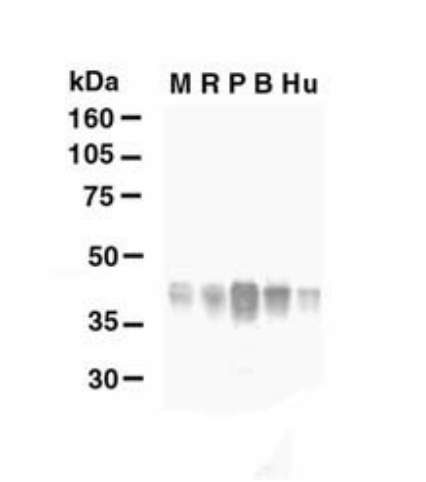

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