

Datasheet: 2095-0220

Description:	SHEEP ANTI HUMAN CHROMOGRANIN A
Specificity:	CHROMOGRANIN A
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin (1)	▪			1/25 - 1/100
ELISA	▪			

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 appropriate negative/positive controls.

(1) This product requires protein digestion pre-treatment of paraffin sections. Pronase is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Bovine, Chimpanzee, Dog, Horse, Pig, Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	Synthetic peptide corresponding to the amino acids 1 - 15 (Ipnvsnpmnkgdtevm) of the native molecule conjugated to Keyhole limpet Haemocyanin.
External Database	UniProt:

Links [P10645](#) [Related reagents](#)

Entrez Gene:

[1113](#) CHGA [Related reagents](#)

Specificity **Sheep anti Human Chromogranin antibody** recognizes human chromogranin A, a secreted peptide that inhibits glucose-induced insulin release. Chromogranin A is an activator of microglia ([Taupenaut *et al.* 1996](#)) and is notably upregulated and prominently expressed in the senile plaques associated with Alzheimer's disease ([Yasuhara *et al.* 1994](#)).

Histology Positive Control Tissue Human pancreas

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.

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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