

## Product Datasheet

# Chromogranin A/Chga Rabbit Polyclonal Antibody (orb1098109)

<b>Catalog Number</b>	orb1098109
<b>Category</b>	Antibodies
<b>Description</b>	Anti-Chromogranin A/Chga Antibody. Tested in IF, ICC, WB applications. This antibody reacts with Mouse, Rat.
<b>Target</b>	Chromogranin-A
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Mouse, Rat
<b>Form/Appearance</b>	Lyophilized
<b>Concentration</b>	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
<b>Buffer/Preservatives</b>	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
<b>Reconstitution</b>	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
<b>Purification</b>	Immunogen affinity purified.
<b>Immunogen</b>	A synthetic peptide corresponding to a sequence at the N-terminus of rat Chromogranin A/Chga, which shares 77.8% and 100% amino acid (aa) sequence identity with human and mouse CHGA, respectively.

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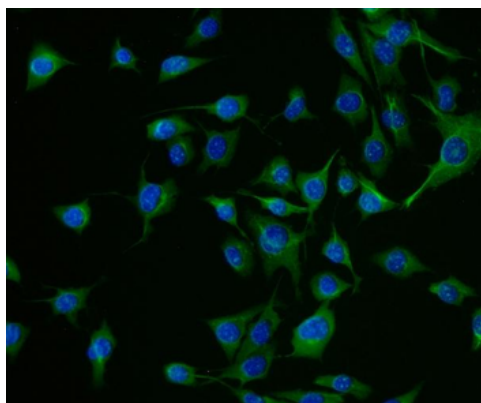
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<b>UniProt ID</b>	<b>P10354</b>
<b>MW</b>	70-80 kDa
<b>Tested applications</b>	ICC, IF, WB
<b>Dilution range</b>	Western blot, 0.25-0.5 µg/ml, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/ml, Mouse
<b>Cross Reactivity</b>	No cross-reactivity with other proteins.
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



IF analysis of Chromogranin A/Chga using anti-Chromogranin A/Chga antibody. Chromogranin A/Chga was detected in an immunocytochemical section of RM-1 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 µg/mL rabbit anti-Chromogranin A/Chga Antibody overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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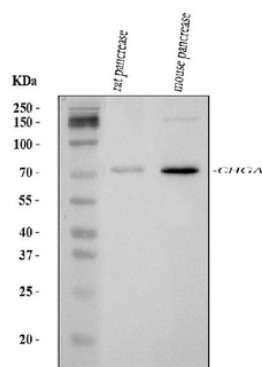
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Western blot analysis of Chromogranin A/Chga using anti-Chromogranin A/Chga antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30  $\mu$ g of sample under reducing conditions. Lane 1: rat pancreas tissue lysates, Lane 2: mouse pancreas tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Chromogranin A/Chga antigen affinity purified polyclonal antibody at 0.5  $\mu$ g/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Chromogranin A/Chga at approximately 70-80 kDa. The expected band size for Chromogranin A/Chga is at 52 kDa.

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