

Catalogue No.

AB0245-200

Qty:

600 µg

Anti-Catalase

Source: Goat

General description: Goat polyclonal antibody to Catalase – peroxisome marker. Catalase is a tetramer consisting of 4 equal subunits each with a 60 kDa molecular weight. It is an antioxidant enzyme present in the peroxisomes of aerobic cells and protects cells from the toxic effects of hydrogen peroxide. Oxidative stress is hypothesized to play a role in the development of many chronic or late-onset diseases such as Alzheimer's disease, asthma, cancer, diabetes, rheumatoid arthritis, auto-immune diseases, etc.

Alternative names: CAT antibody.

Form: Polyclonal antibody supplied as a 200 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified catalase isolated from liver.

Specificity: Detects a band of 60 kDa by Western blot.

Reactivity: Reacts with Human, Rat, Mouse, Monkey and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	ND	ND	ND	ND
Rat	+++	ND	ND	ND	ND
Mouse	+++	ND	ND	ND	ND
Canine	+++	ND	ND	ND	ND
Monkey	+++	ND	ND	ND	ND

+++ excellent, ++ good, + poor, ND not determined

Usage:

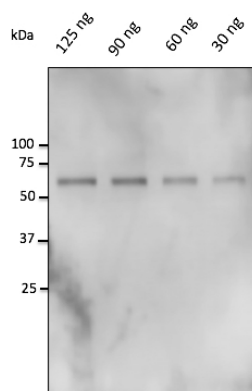
WB: 1:500-1:2,000

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

Special instructions: The antibody solution should be gently mixed before use..

References:

1. Melo BF, Prieto-Lloret J, Cabral MD, et al. Sci Rep 2021 Mar PMID: 33723367
2. Martins FO, Sacramento JF, Olea E, et al. Antioxidants (Basel) 2021 Jul PMID: 34439481
3. Fernandes J, Martins F, Olea E, et al. bioRxiv 2023



Anti-Catalase Ab at 1/500 dilution; 30-125 ng of catalase isolated from bovine liver; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.