



POLYCLONAL ANTIBODY

For research use only. Not for clinical diagnosis.

Catalog No. COP-080057

catalase

Product type	Primary antibodies
Host	Rabbit
Source	Serum
Form	Liquid
	Less than 0.1% NaN ₃ as a preservative.
Volume	100 µl
Concentration	
Specificity	
Antigen	Synththetic peptide : amino acids 35-50
Isotype	IgG

Application notes ELISA, WB

Recommended use

Recommended dilutions

Western Blot: 1/1500

Antigen peptide: C+GERGPVLLEDYHLIEK (region from 35th to 50th residue of catalase)

Antibody dilution: 1/1,500 with TBS and 0.1% Tween 20

Second antibody (anti-rabbit IgG-HRP): dilution, 1/3000 with TBS

Sample: Crude mitochondrial fraction (10 mg/lane)

prepared from 2-week old seedlings

(Precipitate after centrifugation at 10,000xg for 10 min)

ELISA: 1/6000

Optimal dilutions/concentrations should be determined by the end user.

Staining Pattern

Cross reactivity

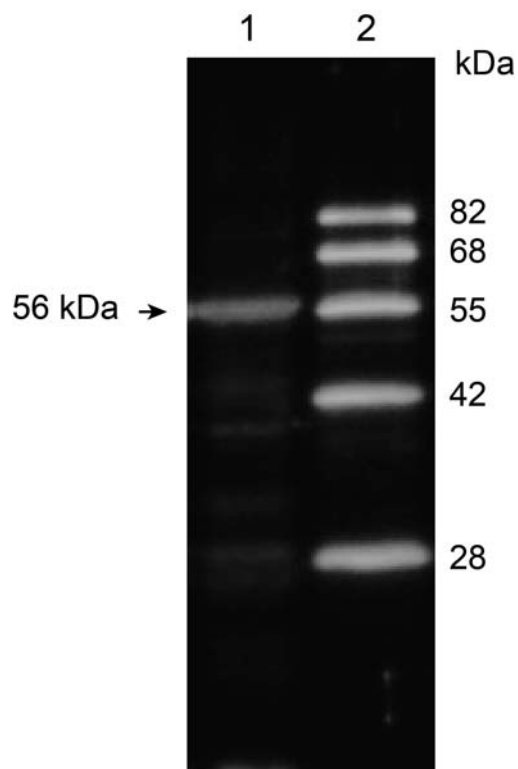
Storage

Store below -20°C (below -80°C for prolonged storage).

Aliquot to avoid cycles of freeze/thaw.

References

- 1) Yoko O. et al., Tissue-Specific Isoforms of Catalase Subunits in Castor Bean Seedlings. Plant Cell Physiol. 33, 225-232 (1992)



Lane 1, crude mitochondrial fraction of Arabidopsis thaliana
Lane 2, marker proteins

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Manufactured by Operon Biotechnologies, K.K



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Inspiration for Life Science

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