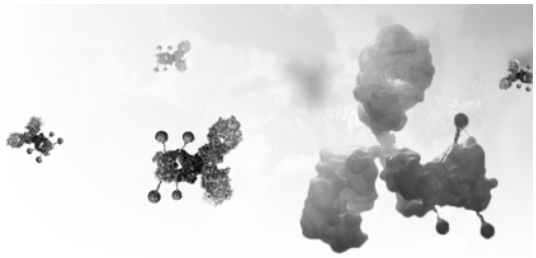

Rabbit Anti-Con A (Concanavalin A) Polyclonal Antibody (CABT-Z307R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The antibody is a rabbit polyclonal antibody raised against Con A. It has been selected for its ability to recognize Con A in immunohistochemical staining and western blotting.
Immunogen	Recombinant Small Molecule, Con A conjugated to OVA expressed in E.coli.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Purification	Purified by affinity chromatography.
Conjugate	Unconjugated
Applications	WB, ICC, IHC-P, IHC-F, ELISA Recommended dilution: WB: 1:100-400, ICC: 1:100-500, IHC-P:1:50-200, IHC-F: 1:100-500, ELISA: 1:100-200
Format	Liquid
Concentration	Lot specific
Size	100 µg
Buffer	PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.
Preservative	0.02% sodium azide
Storage	Store at 4°C for frequent use. Store at -20°C to -80°C for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

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Ship	Wet ice

BACKGROUND

Introduction	Concanavalin A (ConA) is a lectin (carbohydrate-binding protein) originally extracted from the jack-bean, Canavalia ensiformis. It is a member of the legume lectin family. It binds specifically to certain structures found in various sugars, glycoproteins, and glycolipids, mainly internal and nonreducing terminal alpha-D-mannosyl and alpha-D-glucosyl groups. ConA is a plant mitogen, and is known for its ability to stimulate mouse T-cell subsets giving rise to four functionally distinct T cell populations, including precursors to suppressor T-cell; one subset of human suppressor T-cells as well is sensitive to ConA. ConA was the first lectin to be available on a commercial basis, and is widely used in biology and biochemistry to characterize glycoproteins and other sugar-containing entities on the surface of various cells. It is also used to purify glycosylated macromolecules in lectin affinity chromatography, as well as to study immune regulation by various immune cells.
Keywords	Con A;Concanavalin A

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