



Anti-C.flagellum Fla1 (internal region) polyclonal antibody (DPAB4244)

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

PRODUCT INFORMATION

Product Overview	Rabbit polyclonal antibody to Flagellin Fla1 (Clostridia flagellum).
Specificity	Antiserum reacts specifically with Flagellin 1 (29 kDa) from Roseburia hominis (clostridia).
Immunogen	Synthetic peptide derived from internal domain of Flagellin1 protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	Unconjugated
Applications	WB
Format	Antiserum
Size	100 µl
Preservative	None
Storage	Short term storage: +4°C. Long term storage: -20°C

BACKGROUND

Introduction	Flagellin (FliC) is a subunit protein that polymerizes (along with other proteins) to form the filaments of bacterial flagella. Assembly of the bacterial flagellum occurs in a precise, temporal order where the basal component (FlgE, FlgK, and FlgL are assembled inside the bacterial membrane, followed by exportation of the filament cap protein FliD, and secretion of about
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20,000 flagellin monomers (FliC) through the channel. FliC monomers are polymerized to form the tail filament. FliC monomers can function as pathogen-associated molecular patterns (PAMPs), and can be detected by host cells through surface-localized toll-like receptor 5 (TLR5) and cytosolic Nod-like receptors (NLRs).

Keywords

41 kDa antigen; flaF; Flagellar filament 41 kDa core protein; fliC; hag; P41; FLIC; FLAGELLIN; FLAGELLIN, SALMONELLA MUENCHEN
