



# Rabbit Anti-Human HMGB1 (aa 100-150) polyclonal antibody (CABT-L4593)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	human HMGB1 amino acids 100-150
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Bovine, Chicken, Mouse, New World monkey, Rat
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	FC, IHC-P, WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µg
<b>Buffer</b>	PBS containing 0.05% BSA and 0.05% sodium azide
<b>Preservative</b>	0.05% sodium azide
<b>Storage</b>	At -20°C
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction**

High Mobility Group Protein B1 (HMGB1) belongs to the HMGB family and contains two HMG box DNA-binding domains. It is a highly conserved, ubiquitous protein present in the nuclei and cytoplasm of nearly all cell types, and is a necessary and sufficient mediator of inflammation during sterile and infection-associated responses. HMGB1 also act as DNA nuclear binding protein that has recently been shown to be an early trigger of sterile inflammation in animal models of trauma-hemorrhage via the activation of the Toll-like receptor 4 (TLR4) and the receptor for the advanced glycation endproducts (RAGE). It is reported that the level of HMGB1 is elevated during sterile tissue injury, infection, lethal endotoxemia or sepsis, collagen-induced arthritis, and ischemia-reperfusion induced tissue injury.

**Keywords**

High Mobility Group Protein B1;HMG1