



# Magic™ Rabbit Anti-ASFV p54 Polyclonal Antibody (CABT-CS703)

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

## PRODUCT INFORMATION

<b>Specificity</b>	ASFV p54
<b>Target</b>	ASFV p54
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of ASFV p54 (ASFV (strain: BA71V)). The exact sequence is proprietary.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	ASFV
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugate</b>	unconjugated
<b>Applications</b>	WB, ICC, IF, ELISA (Det)
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1XPBS (pH7), 1% BSA, 20% Glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

# BACKGROUND

## Introduction

ASFV p54 antibody detects envelope protein p54 of African swine fever virus. Protein p54, encoded by the E183L gene, is a 20 kDa type I transmembrane protein that localizes to envelope precursors derived from the host ER. p54 is involved in intracellular microtubule-dependent transport of viral capsid toward viral factories, and is detected on membrane-like structures within viral factories and mature extracellular virions. This is a valuable mouse monoclonal antibody for research into this very contagious hemorrhagic disease of pigs.

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## Keywords

ASFV p54; ASFV; African swine fever virus

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