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# anti-Keratin Basic antibody



Image



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#### Overview

Quantity:	100 μg
Target:	Keratin Basic
Reactivity:	Human, Rat, Mouse, Rabbit, Cow, Chicken, Monkey, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### **Product Details**

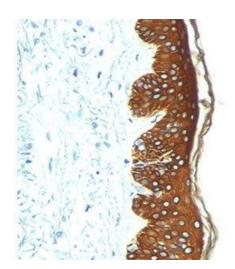
Immunogen:	Solubilized cytokeratin extract from human stratum corneum was used as the immunogen.
Clone:	AE3
Isotype:	IgG1
Purification:	Protein G purified

### **Target Details**

Target:	Keratin Basic
Alternative Name:	Basic Cytokeratin (Keratin Basic Products)
Background:	Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl
	<5.7) and basic (pl >6.0) subfamilies. This antibody recognizes basic (Type II or HMW)
	cytokeratins, which include 67 kDa (CK1), 64 kDa (CK3), 59 kDa (CK4), 58 kDa (CK5), 56 kDa

## **Target Details**

	(CK6), 52 kDa (CK8). Many studies have shown the usefulness of keratin markers in cancer
	research and tumor diagnosis. The basic family clone AE3 is commonly used in combination
	with clone AE1 as a pan cytokeratin antibody acidic + basic cocktail (< a href=/pan-
	cytokeratin-antibody-cocktail-ae1-ae3-v2330>Cat No V2330).
Gene ID:	3848
Application Details	
Application Notes:	Differences in protocols and secondaries may cause the Basic Cytokeratin antibody to need
	titering for optimal performance.
	1. FFPE staining requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min
	followed by cooling at RT for 20 minutes.
	2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After
	epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at R
	for 30 min.\. FACS: 0.5-1 $\mu$ g/million cells,IF: 1-2 $\mu$ g/mL,WB: 0.5-1 $\mu$ g/mL,IHC (FFPE): 0.5-1 $\mu$
	g/mL for 30 min at RT (1),Prediluted format : incubate for 30 min at RT (2)
Restrictions:	For Research Use only
Handling	
Concentration:	0.2 mg/mL
Buffer:	0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store the Basic Cytokeratin antibody at 2-8°C (with azide) or aliquot and store at -20°C or cold
	(without azide).



#### **Immunohistochemistry**

**Image 1.** IHC: FFPE skin stained with Basic Cytokeratin antibody AE3.