

Product Datasheet

Caspase-14 Antibody - BSA Free NB100-56126

Unit Size: 0.05 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB100-56126

Caspase-14 Antibody - BSA Free

Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera

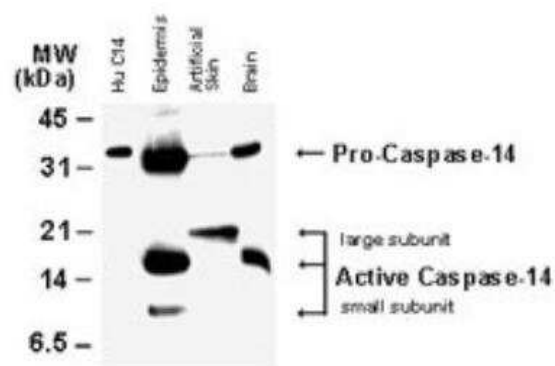
Product Description	
Description	Novus Biologicals Rabbit Caspase-14 Antibody - BSA Free (NB100-56126) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-Caspase-14 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	23581
Gene Symbol	CASP14
Species	Human, Mouse, Rat, Canine, Gerbil
Specificity/Sensitivity	This polyclonal antibody recognizes the proform of caspase-14 (~28-32 kDa), and the large (~14-21 kDa) and small (~10-11 kDa) of active/cleaved caspase-14.
Immunogen	Recombinant full-length human Caspase-14 was used as immunogen.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry, Immunoprecipitation 1:50-1:200, Immunohistochemistry-Paraffin 1:1000-1:5000

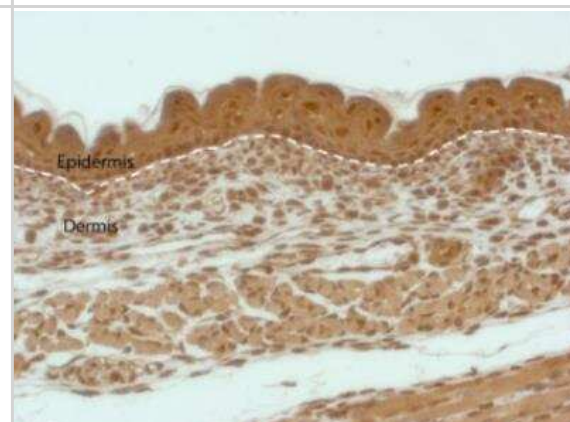


Images

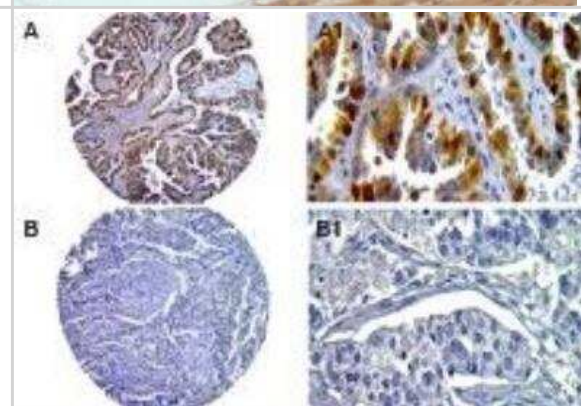
Western Blot: Caspase-14 Antibody [NB100-56126] - Analysis of Caspase-14. Tissue lysates (50 ug/lane) and recombinant human Caspase-14 were (Hu C14, 15 ng) were western blotted with Caspase-14 antibody at 1:2000. The antibody detected both the proform of caspase-14, and the large and small subunits of active/cleaved caspase-14.



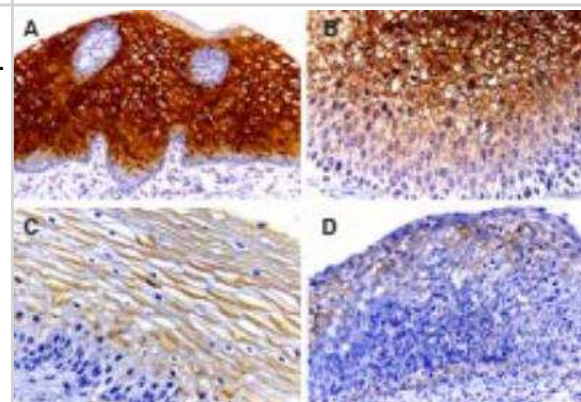
Immunohistochemistry: Caspase-14 Antibody [NB100-56126] - Tissue sections of mouse skin at E17 stained using this antibody at 1:500.



Immunohistochemistry-Paraffin: Caspase-14 Antibody [NB100-56126] - Human ovarian cancer tissue microarray stained for Caspase-14 expression using this antibody at 1:2000. Low (A) and high (B) stage ovarian tumor tissue cores. High magnification from areas of the tissue cores (A1 and B1). Decreased Caspase-14 expression was seen in the high grade, compared to the low grade tumor. Hematoxylin-eosin counterstain.



Immunohistochemistry-Paraffin: Caspase-14 Antibody [NB100-56126] - Tissue sections of human cervix stained using this antibody at 1:2000. A. Normal cervix (squamous epithelium). B. CIN1 (low-grade squamous intraepithelial lesion, mild dysplasia). C. CIN2 (high-grade squamous intraepithelial lesion, moderate dysplasia). D. CIN3 (high-grade squamous intraepithelial lesion; severe dysplasia-carcinoma in situ). In normal cervix, caspase-14 staining was found most in the midzone layer, but was absent from the basal/parabasal cell layer where mitotically active cells are known to reside. This suggests induction of caspase-14 expression with differentiation. Caspase-14 expression declined progressively during malignant transformation as the histologic severity of the cervical atypia advanced from CIN1 to CIN3. Hematoxylin-eosin counterstain.



Publications

Burger C, Shirsath N et al. Blocking mTOR Signalling with Rapamycin Ameliorates Imiquimod-induced Psoriasis in Mice. *Acta Derm Venereol* 2017-02-10 [PMID: 28597024] (IF/IHC, Mouse)

Chamcheu JC, Adhami VM, Esnault S et al. Dual inhibition of PI3K/Akt and mTOR by the Dietary Antioxidant Delphinidin Ameliorates Psoriatic Features In-vitro and in an Imiquimod-induced Psoriasis-like Disease in Mice *Antioxid. Redox Signal.* 2016-07-08 [PMID: 27393705] (IF/IHC, Human)

Arai M, Matsuzaki T, Ihara S. Wound Closure on the Neonatal Rat Skin I. The Modulation of the Thickness of Epidermis at the Closing Incisional Wounds. *CellBio* 2013-01-01 (IF/IHC, Rat)

Murakami H, Okamura K, Aoki S et al. Association of caspase-14 and filaggrin expression with keratinization of the oral mucosa and reconstruction culture rat models. *J Periodontal Res* 2013-12-11 [PMID: 24329962] (IF/IHC, Rat)

Krajewska M, Kim H, Shin E et al. Tumor-associated alterations in caspase-14 expression in epithelial malignancies. *Clin Cancer Res.* 2005-08-01 [PMID: 16061862] (WB, IHC-P)

Details:

WB: Fig 1C (recombinant human and mouse caspase-14 protein) and Fig 1D (various normal human tissues and tumor cell lines); IHC (paraffin), Fig 2 (continuum from human uterine normal to malignant cervix), Fig 3A (human gastric cancer), Fig 4 (human ovaria

Krajewska M, Rosenthal RE, Mikolajczyk J et al. Early processing of Bid and caspase-6, -8, -10, -14 in the canine brain during cardiac arrest and resuscitation. *Exp Neurol.* 2004-10-01 [PMID: 15380478]

Details:

Antibodies cited: 1. Caspase-9 (Active/Cleaved), IMG-5705: WB: Fig 1A (recombinant human caspase-9), Fig 4A (recombinant human caspase-9, rat brain), Fig 4B-F (isolated mitochondria from rat liver or heart). Fig 5 (PC12 cells) IHC (P): Fig 2d-k (rat kidney





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Products Related to NB100-56126

NB820-59177	Human Brain Whole Tissue Lysate (Adult Whole Normal)
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

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