



## **Anti-EGF polyclonal antibody (DPABY-322)**

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

## PRODUCT INFORMATION

Specificity         Detects rat EGF in ELISAs and Western blots. In sandwich immunoassays, less than 2% cross-reactivity with recombinant mouse EGF is observedand less than 0.05% cross-reactivity with recombinant human EGF is observed.           Immunogen         E. coli-derived recombinant rat EGF. Asn974-Arg1026 Accession Number P07522           Isotype         IgG           Source/Host         Sheep           Species Reactivity         Rat           Purification         Antigen Affinity-purified           Conjugate         Unconjugated           Applications         Western Blot, ELISA Capture (Matched Pair)           Format         Liquid           Size         100 μg           Buffer         Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.           Preservative         None           Storage         Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.	Antigen Description	View EGF IHC images.
Isotype       IgG         Source/Host       Sheep         Species Reactivity       Rat         Purification       Antigen Affinity-purified         Conjugate       Unconjugated         Applications       Western Blot, ELISA Capture (Matched Pair)         Format       Liquid         Size       100 μg         Buffer       Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.         Preservative       None         Storage       Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution.	Specificity	reactivity with recombinant mouse EGF is observed and less than 0.05% cross-reactivity with
Source/Host       Sheep         Species Reactivity       Rat         Purification       Antigen Affinity-purified         Conjugate       Unconjugated         Applications       Western Blot, ELISA Capture (Matched Pair)         Format       Liquid         Size       100 μg         Buffer       Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.         Preservative       None         Storage       Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution.	Immunogen	E. coli-derived recombinant rat EGF. Asn974-Arg1026 Accession Number P07522
Species Reactivity       Rat         Purification       Antigen Affinity-purified         Conjugate       Unconjugated         Applications       Western Blot, ELISA Capture (Matched Pair)         Format       Liquid         Size       100 μg         Buffer       Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.         Preservative       None         Storage       Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution.	Isotype	IgG
Purification       Antigen Affinity-purified         Conjugate       Unconjugated         Applications       Western Blot, ELISA Capture (Matched Pair)         Format       Liquid         Size       100 μg         Buffer       Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.         Preservative       None         Storage       Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution.	Source/Host	Sheep
Conjugate  Unconjugated  Western Blot, ELISA Capture (Matched Pair)  Format  Liquid  Size  100 μg  Buffer  Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.  Preservative  None  Storage  Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution.	Species Reactivity	Rat
Applications       Western Blot, ELISA Capture (Matched Pair)         Format       Liquid         Size       100 μg         Buffer       Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.         Preservative       None         Storage       Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	Purification	Antigen Affinity-purified
Format       Liquid         Size       100 μg         Buffer       Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.         Preservative       None         Storage       Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	Conjugate	Unconjugated
Size       100 μg         Buffer       Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.         Preservative       None         Storage       Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution.	Applications	Western Blot, ELISA Capture (Matched Pair)
Buffer  Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.  Preservative  None  Storage  Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution.	Format	Liquid
Preservative  None  Storage  Use a manual defrost freezer and avoid repeated freeze-thaw cycles.  12 months from date of receipt, -20 to -70 °C as supplied.  1 month, 2 to 8 °C under sterile conditions after reconstitution.	Size	100 μg
Storage  Use a manual defrost freezer and avoid repeated freeze-thaw cycles.  12 months from date of receipt, -20 to -70 °C as supplied.  1 month, 2 to 8 °C under sterile conditions after reconstitution.	Buffer	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.
12 months from date of receipt, -20 to -70 °C as supplied.  1 month, 2 to 8 °C under sterile conditions after reconstitution.	Preservative	None
	Storage	12 months from date of receipt, -20 to -70 °C as supplied.  1 month, 2 to 8 °C under sterile conditions after reconstitution.

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## **GENE INFORMATION**

Gene Name	Egf epidermal growth factor [ Rattus norvegicus (Norway rat) ]
Official Symbol	EGF
Synonyms	EGF; epidermal growth factor; pro-epidermal growth factor;
Entrez Gene ID	<u>25313</u>
Protein Refseq	NP 036974
UniProt ID	<u>P07522</u>
Chromosome Location	2q42-q43
Pathway	Adaptive Immune System; Bladder cancer; Cardiovascular Signaling; Constitutive PI3K/AKT Signaling in Cancer; Cytokine-cytokine receptor interaction; DAP12 interactions; DAP12 signaling; Delta-Notch Signaling Pathway;
Function	calcium ion binding; epidermal growth factor receptor binding; growth factor activity;