### PBX1 polyclonal antibody

| Catalog: | BS8986 | Host: | Rabbit | Reactivity: | Human, Mouse, Rat |

#### Background:
This gene encodes a nuclear protein that belongs to the PBX homeobox family of transcriptional factors. Studies in mice suggest that this gene may be involved in the regulation of osteogenesis, and required for skeletal patterning and programming. A chromosomal translocation, t(1;19) involving this gene and TCF3/E2A gene, is associated with pre-B-cell acute lymphoblastic leukemia. The resulting fusion protein, in which the DNA binding domain of E2A is replaced by the DNA binding domain of this protein, transforms cells by constitutively activating transcription of genes regulated by the PBX protein family. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

#### Product:
1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

#### Molecular Weight:
~ 47kDa

#### Swiss-Prot:
P40424

#### Purification & Purity:
The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

#### Applications:
WB: 1:500 ~ 1:2000  
IHC: 1:50 ~ 1:200

#### Storage & Stability:
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

#### Specificity:
PBX1 polyclonal antibody detects endogenous levels of PBX1 protein.

#### DATA:
Western blot analysis of extracts of various cell lines, using PBX1 antibody.

#### Note:
For research use only, not for use in diagnostic procedure.