

```
function instanceofCustom (instance, constructor) {  
  // constructor 必须是对象，并且是函数对象  
  // 经过验证，判断构造关系的本质是通过原型对象来判断的，跟 prototype.constructor 属性  
  无关，因此，使用 prototype.constructor 属性进行的实现是不准确的  
  if (typeof constructor !== 'object' || constructor === null) {  
    throw new TypeError("Right-hand side of 'instanceof' is not an object")  
  }  
  
  if (typeof constructor !== 'function') {  
    throw new TypeError("Right-hand side of 'instanceof' is not callable")  
  }  
  
  let prototype = constructor.prototype;  
  
  while (prototype !== null) {  
    if (instance.__proto__ === prototype) {  
      return true;  
    } else {  
      prototype = prototype.__proto__;  
    }  
  }  
  
  return false;  
}
```